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Selecting Language Model Training Data Using Deep Textual Properties

Gupta, Aatmik

Princeton, NJ : Princeton University

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SELECTING LANGUAGE MODEL TRAINING DATA USING DEEP TEXTUAL PROPERTIES

Volume I

Aatmik Gupta

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Abstract

The efficacy of language models depends on the quality of pre-training data. Many existing selection methodologies are combinations of rudimentary heuristics. We present a novel method for data selection that focuses on deep textual properties which align with human perceptual judgments. We focus on four such properties, and design a method to identify these properties in text data at scale by using a state-of-the-art large language model (GPT-3.5 Turbo) as an annotator. We then use the annotated data to train a relatively lightweight 1.3B model that assigns quality ratings to documents. This allows us to cheaply and reliably rate the quality of a large corpus of text along these four dimensions, which encapsulate aspects of text quality that require a deep understanding of the text that is difficult to capture with simpler methods. We use these ratings to select a subset of documents for training language models, and show that models trained on this subset outperform models trained on randomly selected data. We also extensively analyze the quality ratings and discuss how they are distributed across different domains, topics, languages, identities, geographies, and social roles.

Selecting Language Model Training Data Using Deep Textual Properties

Aatmik Gupta [1]

Abstract

The efficacy of language models depends on the quality of pre-training data. Many existing selection methodologies are combinations of rudimentary heuristics. We present a novel method for data selection that focuses on deep textual properties which align with human perceptual judgments. We focus on four such properties, and design a method to identify these properties in text data at scale by using a state-of-the-art large language model (GPT-3.5 Turbo) as an annotator. We then use the annotated data to train a relatively lightweight 1.3B model that assigns quality ratings to documents. This allows us to cheaply and reliably rate the quality of a large corpus of text along these four dimensions, which encapsulate aspects of text quality that require a deep understanding of the text that is difficult to capture with simpler methods. We use these ratings to select a subset of documents for training language models, and show that models trained on this subset outperform models trained on randomly selected data. We also extensively analyze the quality ratings and discuss how they are distributed across different domains, topics, languages, identities, geographies, and social roles.

1. Introduction

Selecting the right training data is crucial for improving the performance of large language models (LLMs) (Brown et al., 2020; Chowdhery et al., 2023; Rae et al., 2021). This work introduces a method, which we name QuRating (**qu**ality **rating**); it is an attempt to quantifiably measure some of the innate properties of text that humans use to judge text quality.

We use an advanced LLM (GPT-3.5 Turbo) as a proxy for human judgment to evaluate these properties at scale. We verify that its evaluations are concordant with commonsense human judgments. We carefully develop prompts that enable an advanced LLM to evaluate these attributes consistently. We find that the LLM performs best when it is comparing pairs of texts, rather than evaluating the texts individually.

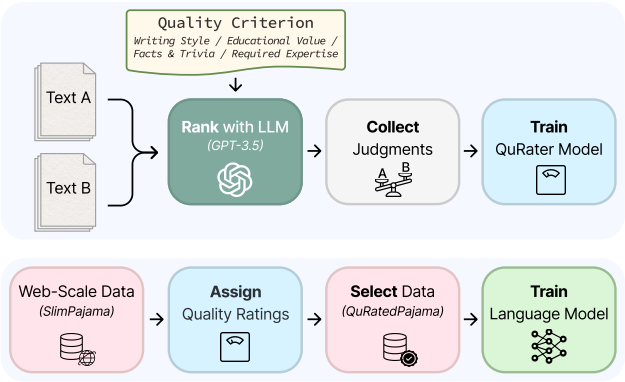


Figure 1. Summary of our data selection pipeline.

We then train our own model on LLM-annotated pairwise preference data, using the Bradley-Terry model formulation to converting between pairwise preferences and individual, document-wise scores. We use this trained model to rate a large corpus of text, and then utilise the resulting ratings to select a subset of the corpus for training new models from scratch. We incorporate a temperature parameter to balance quality and variety in the selected data; our findings suggest that this enhances model performance by maintaining diversity.

We evaluate the performance of models trained on these subsets to determine if our data selection method is effective. Finally, we analyze the ratings themselves to gain insights into the properties of text that are valuable for training LLMs. We focus on how these ratings are distributed across different types of text, based on their topical, linguistic, and socio-cultural content. We explore sources of bias in the ratings and how they can be mitigated.

Our analysis primarily considers four text attributes for data selection: *writing style*, *facts & trivia*, *educational value*, and *required expertise*. Specifically, we employ GPT-3.5 Turbo to evaluate 250K text pairs based on the identified criteria and fine-tune a Sheared-Llama-1.3B model to recognize these quality signals. We use this fine-tuned *QuRater*

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model to rate a 260B token subset of the SlimPajama dataset (Soboleva et al., 2023); we refer to this annotated dataset as *QuRatedPajama*. We sample highly-rated texts from QuRatedPajama to get different 30B token splits that we use for training new 1.3B-parameter models, comparing our technique against standard sampling methods across multiple tasks to gauge effectiveness.

2. Background

Some of the previous work on data selection has been focused on using simple heuristic rules to filter out data that is low-quality, duplicated, or otherwise unhelpful for improving performance on the desired downstream task(s). Examples of this include the rules used to create the filtered C4 subset of the CommonCrawl dataset (Raffel et al., 2020) and those used to filter the MassiveText dataset (Rae et al., 2021), as well as the deduplication tools developed by Lee et al. (2022). These methods are useful for excluding clearly undesirable data, but do not help in identifying data that is of particular value. Additionally, these often-complicated rules do not always generalise across domains, and can require dedicated domain-wise adaptations to be effective.

Another approach, dubbed "heuristic classification" by Xie et al. (2023b), uses classifiers trained to select data that resembles some desirable target data, eg. Wikipedia articles; this technique was used in the training of GPT-3 (Brown et al., 2020) among other models. Xie et al. (2023b) introduced Data Selection with Importance Resampling (DSIR), which improves upon the performance of heuristic classification. DSIR involves featurizing the target data and the unfiltered data, estimating the importance weights of the unfiltered data using these features, and then selecting data by sampling based on these importance weights; this enables a better approximation of the target data distribution. These approaches require a tightly constrained understanding of what constitutes high-quality target data. They are unhelpful for understanding or interpreting the nature of this data, or independently identifying high-quality data.

Another prominent direction of research concerns methods that enhance the diversity of training data and limit repetitiveness. For example, Tirumala et al. (2023) use pre-trained model embeddings for a more sophisticated de-duplication approach that removes highly similar documents from the dataset. The DoReMi algorithm (Xie et al., 2023a) uses a smaller model to select the optimal mixture of data domains for the training of a larger model. These works have helped improve model performance given a fixed number of training tokens; however, they too do not help explain whether data possessing specific forms or traits is particularly useful in the training process.

More recently, researchers have sought to exploit the growing abilities of large pre-trained language models by using strong LLMs off-the-shelf to identify good training data. One approach is to simply sort data by likelihood that it is generated by a strong model; this is sometimes referred to as "perplexity filtering" (Wenzek et al., 2020; Muennighoff et al., 2023; Marion et al., 2023). This is based on the assumption that data that is unlikely to be generated by a strong model is likelier to be unnatural, noisy, or otherwise undesirable. This method suffers from its tendency to overselect simplistic or repetitive data that can be easily predicted by a model.

Another approach in this direction, undertaken by Gunasekar et al. (2023) and extended by Li et al. (2023), represent the closest antecedent to our work. Here, researchers annotate a small set of documents with their educational value as perceived by GPT-4; they then use these annotations to train a classifier which can cheaply process a large corpus and identify the "textbook-quality" documents which have a high educational value. They find that a model trained on these curated documents significantly outperforms a model trained on randomly selected data. While this work outlines an important direction for research and suggests impressive results, the paper does not explain the specific process used to prompt GPT-4; our attempts suggested that the effectiveness of such an approach is highly sensitive to the prompt format and content.

3. Methodology

3.1. Theoretical Overview

We annotate data by prompting a judge LLM with a question that asks which of two pieces of text $(t_A,\ t_B)$ better exhibits a certain quality. We collect the probability $p_{B\succ A}$ with which the judge prefers B to A. We sample pairs of texts from a collection of documents and create large datasets of judgments $\mathcal{J} = \{(t_i, t_j, p_{i\succ j})\}$.

We need to transform these judgment probabilities over pairs of texts into scalar quality ratings assigned to each text. To accomplish this, we use the Bradley-Terry model (Bradley & Terry, 1952) in the following formulation:

$$p_{B\succ A} = \sigma\left(s_B - s_A\right),$$

where σ is the sigmoid function. We train our own model (the *QuRater* model) $s_\theta(t_i)$ to produce these scalar ratings by maximizing the likelihood of the preferences assigned by the judge LLM, using the following binary cross-entropy loss:

$$\mathcal{L}_\theta = \mathop{\mathbb{E}}_{(t_A,t_B,p_{B\succ A})\in\mathcal{J}} \Big[- p_{B\succ A} \log\sigma\left(s_\theta(t_B) - s_\theta(t_A)\right) - \left(1 - p_{B\succ A}\right) \log\sigma\left(s_\theta(t_A) - s_\theta(t_B)\right) \Big].$$

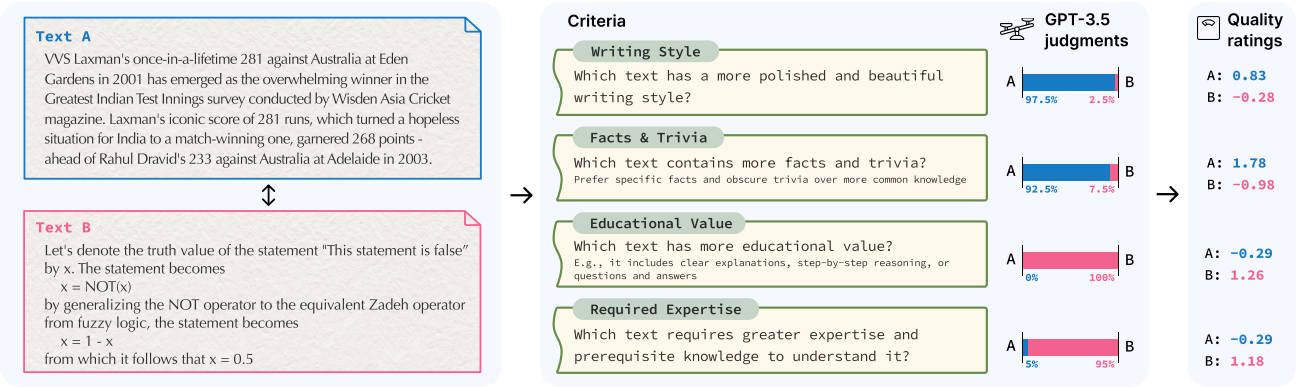


Figure 2. We show a sample text pair and present GPT-3.5 Turbo's judgments as to which text it prefers when prompted to identify the better text as per different criteria. We also show the corresponding quality ratings assigned to each document by our QuRater model; these are what we ultimately use for data selection.

3.2. Using Pairwise Comparisons

We make LLMs judge texts in a pairwise setting as we anecdotally observe that LLMs are better at comparing texts than they are at judging individual texts. Our perception developed after many rounds of iterative experimentation with different prompt structures and validation examples. Additionally, a pairwise comparison-based approach is easier to interpret and tune; it is difficult to define some target rating for a given text in isolation.

We also validate our approach with a case study: we ranked 10 documents based on our perception of their *writing style*. We then ranked the same documents based on 1) pairwise comparisons using GPT-3.5 Turbo and 2) individual judgments from GPT-3.5 Turbo. We find that the pairwise judgments are more consistent with our human judgment (Kendall tau rank coefficient 0.79) than the individual judgments (Kendall tau rank coefficient 0.61).

3.3. Choosing the Criteria

The question of which quality criteria we should we use to rate text is ultimately subjective, and part of the value of our method is that it can be generalised to any criteria that can be expressed in text and reliably perceived by some LLM. Nevertheless, we try to to select criteria that are intuitive, complementary, and have relevance for diverse varieties of text. Crucially, we want to select criteria that involve a deep understanding of a text's content; existing methods often rely on surface-level features, which are insufficient for capturing such abstract qualities. We ultimately choose the following four questions as our criteria:

- *Which text has a more polished and beautiful* ***writing style****?*
- *Which text contains more* ***facts and trivia****? Prefer specific facts and obscure trivia over more common knowledge.*
- *Which text has more* ***educational value****? E.g., it includes clear explanations, step-by-step reasoning, or questions and answers.*
- *Which text* ***requires greater expertise*** *and prerequisite knowledge to understand it?*

We show how these prompts are applied to two texts in Figure 2.

3.4. Designing and Validating Prompts

The precise wording of the prompts has a significant impact on the quality of the annotations. We arrived at the final prompts documented above through a long process of trial and error, as part of which we varied the wording of the prompts and observed the results on individually curated examples or domains which we believed should be highly or poorly rated for each criterion. Throughout this project, we used GPT-3.5 Turbo as our LLM judge, motivated by its performance, cost, and efficiency; therefore, our prompts are designed to be effective with this model.

For developing the *writing style* prompt, we used extracts from famous novels and featured Wikipedia articles, and tuned the prompt to maximize the preference for these over randomly selected text scraped from the web. For the *facts & trivia* prompt, we sought to have the model prefer a mix of Wikipedia/Wiki articles covering niche topics, ArXiv papers, and trivia websites over a set of manually curated fiction extracts and website data that we believed contained little factual information.

For the *educational value* prompt, we used high-quality extracts from textbooks and educational/Q-and-A websites, and chose prompts that maximized the preference for these over random web data. Finally, for the *required expertise* prompt, we focused on a prompt that could distinguish between dense ArXiv papers/complex GitHub code snippets,

and Wikipedia articles/StackExchange posts that captured potentially complex topics but were more accessible.

Our full prompt templates are shown in appendix A. To prevent common LLM biases from influencing judgments, we included further guidelines specifying that the evaluation should not be affected by the languages used, the length of the texts, and the order in which the texts are presented. Despite these measures, biases remain. For instance, GPT-3.5-turbo continues to display a positional and linguistic bias, preferring the text presented first and text in English over other languages.

Independent of the more informal process of prompt design, we sought to validate our prompts by creating a validation set for each criterion consisting of 40 documents that we believe should be highly rated and 40 that we believe should be poorly rated. The exact data sources used to construct this validation set are described in Table 3 in the appendix.

Using these document sets, we get 1600 target pairwise judgments for each criterion. We then prompt GPT-3.5 Turbo to compare the documents in each pair and tabulate whether the model does in fact prefer the document which we believe should be highly rated. Using our finalised prompts, we report 97.6% agreement for *writing style*, 91.9% agreement on *facts & trivia*, 98.2% agreement for *educational value*, and 98.5% agreement for *required expertise*.

3.5. Training Our QuRater Model

Using the aforementioned criteria and prompts, we produced a dataset of judgments on 250K text pairs by querying GPT-3.5 Turbo (specifically, `GPT-3.5-turbo-0613`). This data is sourced from SlimPajama (Soboleva et al., 2023), itself a deduplicated form of RedPajama (TogetherAI, 2023). We fine-tune a 1.3B-parameter Sheared-Llama model (Xia et al., 2023) on this dataset. The QuRater model has over 93% accuracy on held-out judgments, effectively replicating the judgments of GPT-3.5 Turbo.

3.6. Selecting Data

We formalize our selection method as follows. Consider each document d_i in a corpus $\mathcal{D}$ to be annotated with a quality rating s_i, assigned by the QuRater model. We sample documents without replacement according to,

$$p\left(d_i\right) \propto \exp\left(\frac{s_i}{\tau}\right),$$

normalized over the corpus $\mathcal{D}$. The temperature τ controls diversity; as $\tau \to 0$, we get top-k selection, while at $\tau \to \infty$, we get uniform sampling.

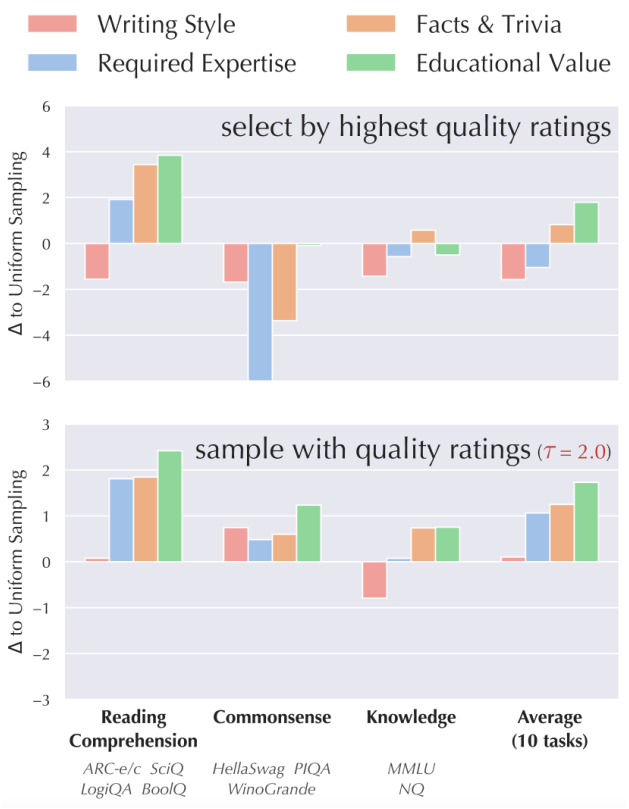


Figure 3. ICL-based evaluation; y-axis measures the performance delta between models trained on data selected using the QuRating criteria and the baseline model trained on uniformly sampled data

4. Experiments

4.1. Setup

We use our QuRater model to rate the documents in a 260B token corpus along our four criteria to produce QuRated-Pajama. We take documents from SlimPajama (Soboleva et al., 2023) and break them into 1024-token chunks using the Llama tokenizer (Touvron et al., 2023); a document's quality ratings are derived by averaging over its component chunks.

We select 30B tokens from QuRatedPajama using different selection methods and use these subsets to train different randomly initialized 1.3B parameter transformer-based (Vaswani et al., 2017) language models. We train the model for a single epoch with randomly shuffled data.

We evaluate the trained language models in a number of ways. We measure the models' perplexity over 50M tokens from a held-out validation split of SlimPajama. We evaluate the in-context learning (ICL) performance of the models on an array of tasks, covering reading comprehension, commonsense reasoning, and knowledge-intensive tasks.



Figure 4. Perplexity-based evaluation; vertical bars show the perplexity of models trained on data selected using the QuRating criteria with varying temperatures (dotted line is baseline)

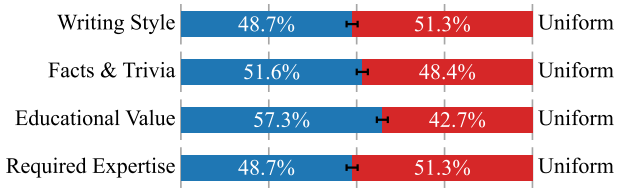


Figure 5. Instruction following win rates of models trained with QuRating ($\tau = 2.0$) vs. uniform data selection after instruction fine-tuning on 10K ShareGPT examples.

We evaluate the instruction-following capabilities of our models, borrowing the setting used by Xia et al. (2023). We perform supervised fine-tuning on 10,000 instruction-response pairs from the ShareGPT dataset. We evaluate on another 1,000 instructions and use the AlpacaFarm codebase (Dubois et al., 2023) to judge the responses from two models with GPT-4.

4.2. Selection Strategies and Baselines

In each experiment, we sample a 30B-token training dataset from QuRatedPajama. The sampling strategies include sampling with QuRating (with different temperatures) and merging the data sampled different quality criteria to get a split that includes all criteria. Our baselines include sampling uniformly, sampling with importance resampling (DSIR) (Xie et al., 2023b) (selecting data that resembles English Wikipedia or the Book domain), and sampling using the inverse of the quality ratings. In all experiments, we ensure that we select equal proportions of data from each subdomain in SlimPajama to prevent effects from domain imbalance.

4.3. Results

We highlight the the ICL-based results in Figure 3 and the perplexity-based results in Figure 4. Results from the instruction following evaluation are included in Figure 5. The complete results are included in Appendix B.

We observe that using sampling, especially with $\tau = 2.0$ to increase diversity, improves perplexity as well as ICL performance. This implies that our method might have a bias towards selecting specific types of documents for each criteria. Consequently, while highly-rated documents appear to be useful for training language models, focusing on only the highest ranked documents might lead to certain information or domains being underrepresented in the training data.

After sampling with $\tau = 2.0$, we observe that models trained on data selected using each of the four criteria improve on the uniform baseline on both perplexity and ICL tasks. The *writing style* criterion is least useful for improving ICL performance, while the *educational value* criterion appears to be the most effective for this purpose. The *educational value*-based model is also the only one to consistently outperform the uniform baseline model on the instruction-following task.

5. Analysis

We carefully study the behavior of our data selection and the resulting ratings. We analyze how the ratings are distributed across different domains and topic clusters.

We then focus on how the quality ratings vary across languages, and also study the toxicity of our annotated data. Finally, we focus on whether our data selection method introduces social biases by considering trends in how data mentioning or associated with different identity groups, topics, and geographies is selected. We do this using both classifier annotations, and the AboutMe dataset that is specially designed for this purpose (Lucy et al., 2024).

5.1. Preliminary Observations

We sample 1M sequences from QuRatedPajama and use this for the basis of all our analysis. First, we visualize the normalized quality ratings for the specialized RedPajama domains (TogetherAI, 2023). In Figure 6, we plot the distribution of quality ratings across the Wikipedia, Book, StackExchange, Github and ArXiv domains.

The results are fairly aligned with commonsense expectations: the Book domain has high ratings for *writing style*; Wikipedia is highly rated on *facts & trivia*; ArXiv requires particularly high *expertise*. Other results are less intuitive, e.g., StackExchange has relatively low ratings for *required expertise* while Book has quite high ratings for *facts & trivia*.

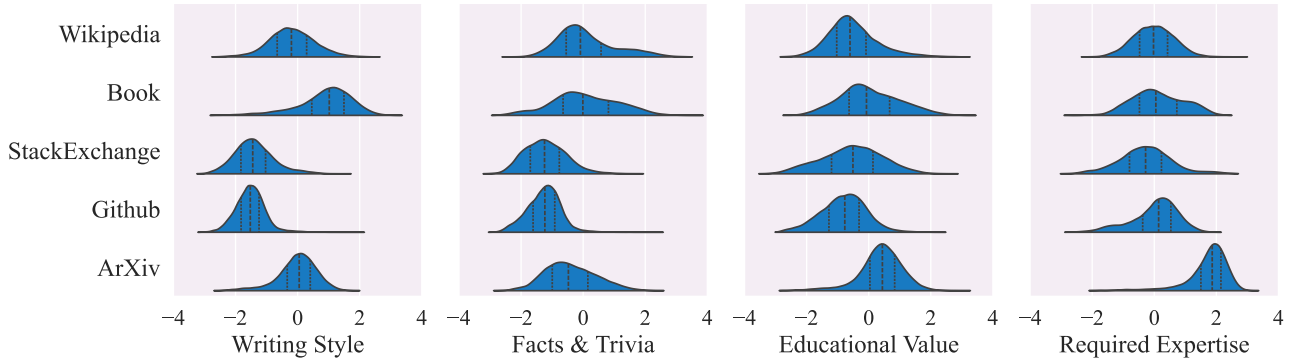


Figure 6. Distribution of quality ratings per domain, normalized for each criterion to have zero mean and unit standard deviation.

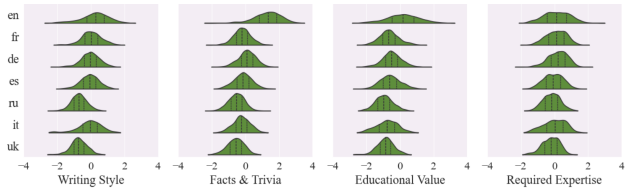


Figure 7. Ratings across languages (Wikipedia domain only)

We also observe that the distributions are wide, suggesting that the quality ratings are not trivial to predict; they do not appear to be exclusively determined by the domain, and depend largely on the specific content of the documents. This further implies that an ideal selection strategy would likely mix documents from different domains to ensure the highest quality dataset.

While CommonCrawl and C4 make up most of our data, they are harder to interpet in a similar fashion. We follow Gururangan et al. (2023) and implement k-Means clustering on the data with $k = 25$. We name the clusters using the TF-IDF terms at the cluster centroids. These clusterwise distributions are presented in Figure 11 in the appendix. Again, we see some expected trends. The *book, author* cluster tends to obtain high ratings in *writing style*. The clusters associated with *cells, protein, gene* and *energy, climate, species* are rated highly on *required expertise*, *educational value*, and *facts & trivia*. The *com, www, http* cluster is rated low on all criteria, and contains lists of URLs and other web navigation data with little surrounding context. However, once again, the distributions are wide, suggesting that all clusters contain a mix of high and low-quality documents.

5.2. Quality Ratings Across Languages

We study how ratings are distributed across different languages by considering trends for the top 10 languages in the 1M sequences in our analysis subset. We identify sequence languages using the `fasttext-langdetect` Python library [1], a wrapper for Facebook's fastText language identification models (Facebook, 2016; Joulin et al., 2016; Bojanowski et al., 2017). We note that English comprises the overwhelming majority of our dataset; the SlimPajama dataset (Soboleva et al., 2023) which we annotate is majority English.

Consistent with this, we find that English language data has the widest distribution of ratings. Notably, however, English also tends to have slightly higher median ratings compared to data from other languages; e.g., German texts have high *required expertise*, while Swedish texts are assigned particularly high . Nevertheless some languages do receive higher median ratings than English for specific criteria; across criteria, sizable quantities of non-English data get ranked as high quality.

Nevertheless, although there there are high-ranking documents in non-English languages, a bias towards English across domains persists. This manifests most clearly in the Wikipedia domain (see Table 7 and Figure 7, which is relatively rich in non-English text. Since we explicitly instruct GPT-3.5 Turbo to ignore language in its judgements in Section 3.3, this highlights the need for more sophisticated approaches to de-bias model judgements.

We note that the rating model appears to particularly penalize non-Latin scripts (usually expressed as Unicode characters); Russian and Ukrainian tend to have some of the lowest ratings across criteria, and receive particularly low *writing style* ratings.

5.3. Toxicity Of Annotated Data

As we intend to release our annotated data, it is important to evaluate the toxicity of the data, and specifically, to ensure that the selection methods that we propose do not favor toxic content. To evaluate the toxicity of the data, we use a RoBERTa-based classifier ("unbiased-toxic-roberta") de-

[1] github.com/zafercavdar/fasttext-langdetect

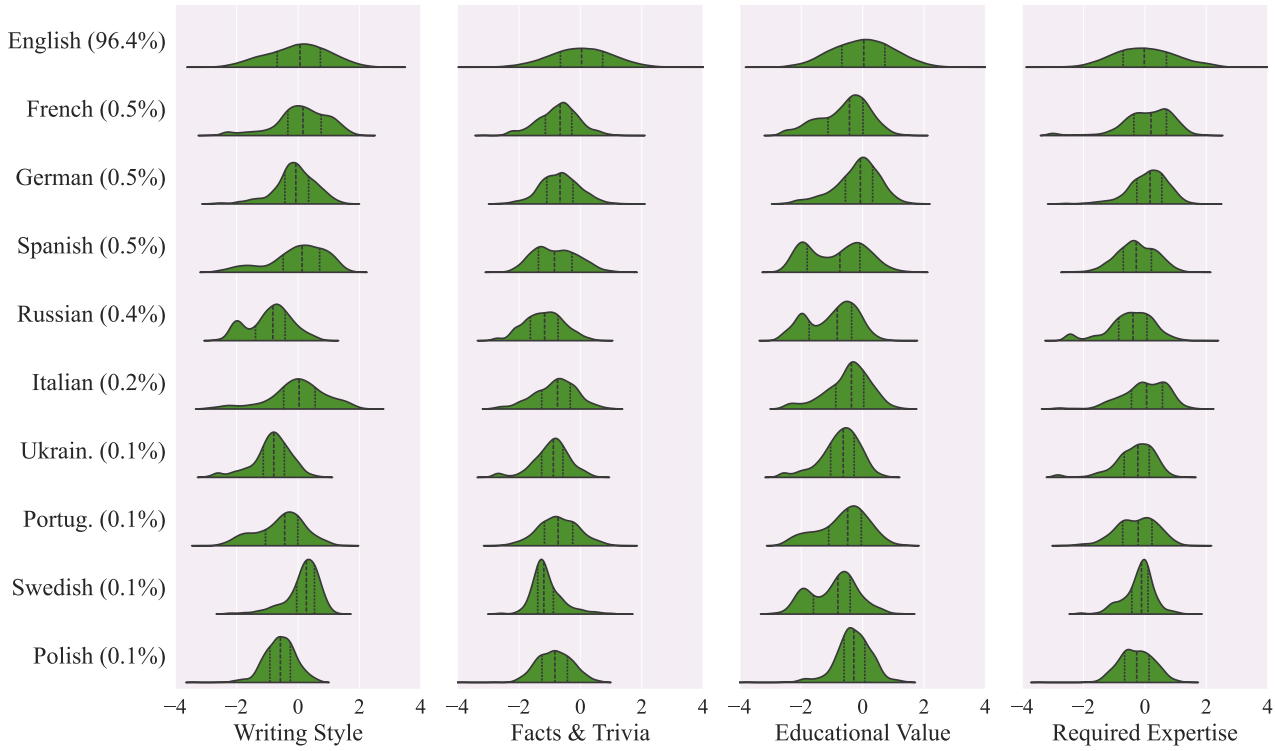


Figure 8. Distribution of quality ratings for the 10 most common languages, normalized for each criterion to have zero mean and standard deviation.

veloped by Hanu & Unitary team (2020) and trained on data from the Jigsaw Toxic Comment Classification[2] and Unintended Bias in Toxic Comments datasets[3]. To annotate our dataset at scale, we use an ONNX version of the model[4], and are able to annotate the 260B token corpus in approximately 6 hours using 30 NVIDIA A100 GPUs.

The classifier provides a toxicity score between 0 and 1, with scores above 0.5 considered toxic. We note that in our 1M analysis subset, only 2.7% of the data is classified as toxic.

We further investigate the distribution of quality ratings for the "toxic" and "non-toxic" splits of the 1M documents. In Figure 9, we observe that the distribution of quality ratings is similar for both offensive and non-offensive documents. We also observe that in general, the quality ratings for offensive documents are slightly lower than the ratings for non-offensive documents.

This is most clearly evident for the three criteria besides *writing style*. Thus, in general, we can conclude that using our method to select data does not introduce a bias towards toxic content. We investigate this more deeply in Figure 10 by plotting a 2D histogram of the quality ratings and the toxicity scores. We observe a neutral or modest negative correlation between the quality ratings and the toxicity scores. The exact correlations for the different criteria are: *writing style* (0.05), *facts & trivia* (-0.11), *educational value* (-0.21), and *required expertise* (-0.15).

We also consider other metrics outputted by the toxicity classifier; these measure whether the input is obscene or sexually explicit. Once again, we observe that the flagged content tends to have lower quality ratings; the *writing style* criterion is the most lenient towards such content.

The general trend that the *writing style* criterion is more forgiving towards toxic content may be attributable to the fact that the criterion favors prose text, which often occurs in our data as part of literary or creative works that may contain offensive or explicit content. Specifically, 6.2% of the Book domain data is classified as toxic, the highest of any domain, compared to 2.7% of the data overall.

5.4. Ratings Across Identities

We also use the supplemental identity classification outputs from our toxicity classifier to study how quality ratings are

[2]kaggle.com/c/jigsaw-toxic-comment-classification-challenge

[3]kaggle.com/c/jigsaw-unintended-bias-in-toxicity-classification

[4]huggingface.co/protectai/unbiased-toxic-roberta-onnx

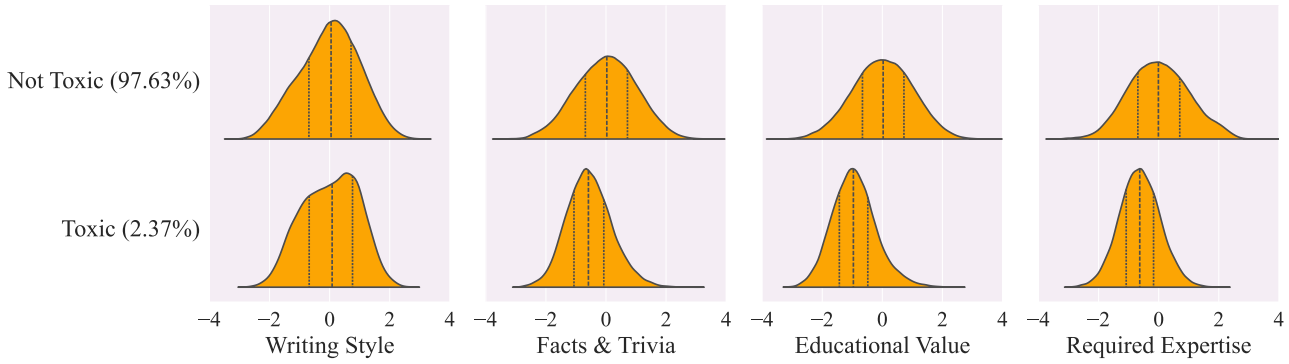


Figure 9. Distribution of quality ratings for the "toxic" and"non-toxic" splits of the data

Table 1. Distribution of normalized ratings by identity group, showing the 10th, median, and 90th percentile rating for each group.

Identity Group	**Writing Style**			**Facts and Trivia**			**Educational Value**			**Required Expertise**		
	10th	Median	90th	10th	Median	90th	10th	Median	90th	10th	Median	90th
Male	-0.85	0.51	1.61	-1.06	0.09	1.39	-1.28	-0.13	1.15	-1.24	-0.17	0.93
Female	-0.87	0.46	1.61	-1.00	0.18	1.39	-1.22	0.05	1.36	-1.29	-0.22	0.89
Gay/Lesbian	-1.01	0.35	1.52	-1.15	-0.04	1.10	-1.50	-0.24	1.05	-1.35	-0.25	0.82
Christian	-0.65	0.64	1.69	-0.92	0.18	1.45	-0.85	0.38	1.40	-0.89	0.27	1.22
Jewish	-0.76	0.55	1.62	-0.70	0.48	1.65	-1.01	0.23	1.31	-0.80	0.38	1.28
Muslim	-0.94	0.27	1.37	-0.76	0.46	1.55	-1.15	0.07	1.19	-0.78	0.35	1.23
Black	-0.87	0.54	1.64	-0.97	0.24	1.49	-1.27	-0.02	1.32	-1.14	-0.08	0.96
White	-0.93	0.53	1.66	-1.03	0.21	1.48	-1.27	-0.05	1.25	-1.22	-0.14	0.94
Psychiatric Illness	-0.86	0.24	1.25	-0.74	0.33	1.34	-0.59	0.84	1.95	-0.79	0.31	1.23

distributed across different identity groups. Note that these scores only identify whether an identity group is mentioned in the text, and do not provide any further context on whether the mention is positive or negative.

We consider the identity groups *Male*, *Female*, *Black*, *White*, *Gay/Lesbian*, *Muslim*, *Jewish*, *Christian*, and *Psychiatric Illness*. We observe that the quality ratings are relatively consistent across different identity groups, with only minor variations, with no stark bias towards or against any particular group.

Some trends of minor concern are that texts mentioning *Muslim* individuals tend to have slightly lower *writing style* ratings; this could be connected to the criterion's bias against non-Latin scripts. Texts mentioning *Gay/Lesbian* individuals have the lowest median ratings across the *facts & trivia*, *educational value*, and *required expertise* criteria compared to other identity groups.

It is true that mentions of identity do not necessarily indicate that the content is authored by or primarily about individuals/entities affiliated with these groups. Nevertheless, these trends are worth further investigation to ensure that our data selection method does not lead to the suppression of content related to these identity groups.

5.5. Documenting Social Bias

We attempt to deepen our understanding of potential social biases in our data selection pipeline by using the AboutMe dataset, (Lucy et al., 2024) which associates 10M webpages with geographic, topical, and social role metadata. We reproduce a setting used by the authors of the original study and sample a 10% subset using QuRating with temperature $\tau = 2$.

We calculate retention rates by measuring what fraction of the total pages associated with a topic cluster, social role, or geographical region are retained in the 10% selected subset, where a rate higher or lower than 10% means that the attribute is *amplified* or *suppressed*, respectively. We report the most amplified and suppressed topics, roles, and regions in Table 2.

Compared to prior data selection methods studied by Lucy et al. (2024), we find that the retention rates for our methods are better balanced. Notably, sampling is helpful: in Table 6 in the appendix, we show that the retention rates are far more unevenly distributed in all categories when using top-k selection. Our results include some trends also seen with prior methods, e.g., topics related to shopping websites—*online, store* and *fashion, women, (brand)*—are among the

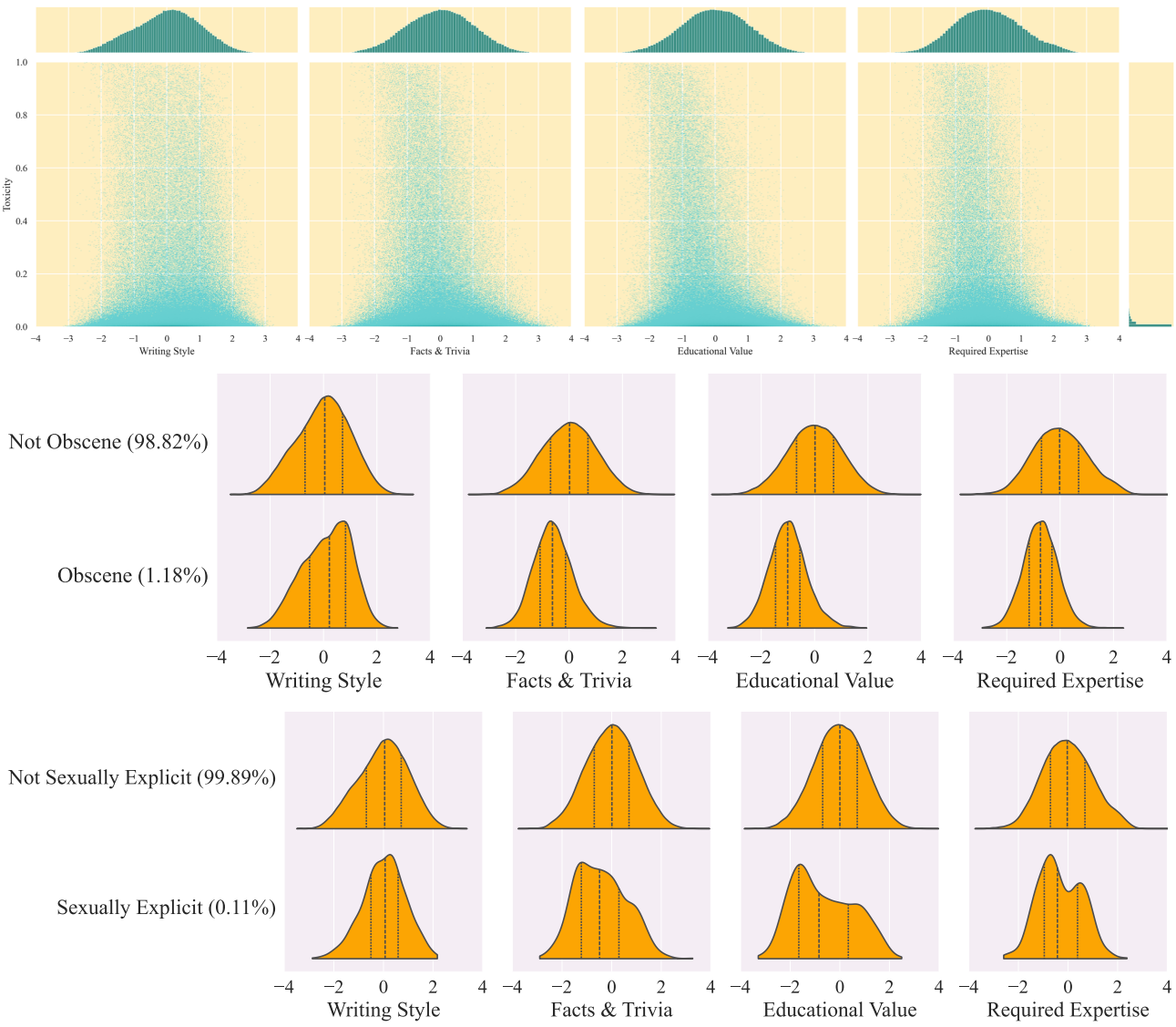


Figure 10. Distribution of quality ratings versus offensiveness scores for 1M documents randomly sampled from SlimPajama

most suppressed across all quality criteria; Lucy et al. (2024) observe a similar pattern.

As expected, the most amplified attributes reflect the quality criteria. Topics selected with high expertise (research, law, technology, medical, software) are indeed widely considered to require specialized knowledge. Roles associated with research are amplified when sampling based on *required expertise*, *facts & trivia*, and *educational value*; roles associated with art and writing are amplified if we use the *writing style* ratings.

Concerningly, we observe that documents associated with conventionally female roles (*mommy*, *manicurist*, *beauty therapist*, *quilter*) are suppressed across the *facts & trivia* and *required expertise* methods. The roles of *youtuber* and *hacker* are suppressed when selecting for *writing style*, suggesting a bias against "internet" language, while documents linked with performing roles (*band*, *act*, *dj*, *drummer*) are suppressed when selecting for *educational value*.

The geographical trends are less pronounced. We observe that selection based on *writing style* exhibits a subtle preference towards websites from Europe and against websites from Asia. The criteria *facts & trivia* and *required expertise* retain a slightly higher proportion of websites from Western and Eastern Europe, Central Asia, and Northern Africa.

We believe that it is vital to document and explore the impact of data selection on the representation of different topics, roles, and regions. We are hopeful that our pipeline can additionally be used to mitigate biases by incorporating fair-

Table 2. We select 10% of the webpages in the AboutMe dataset by sampling from different quality ratings with temperature $\tau = 2.0$. We report the categories that are most/least retained (amplified/suppressed) in the selected data and report their retention rates in %.

Writing Style				**Facts & Trivia**			
↑ *Topics: amplified*		↓ *Topics: suppressed*		↑ *Topics: amplified*		↓ *Topics: suppressed*	
art, gallery	14	quality, equipment	7	research, university	16	fashion, women	7
writing, books	14	car, vehicle	7	energy, water	13	hair, beauty	7
design, designer	13	online, store	7	community, local	12	online, store	7
photography	13	website, information	8	film, production	12	event, events	8
life, yoga	13	products, quality	8	art, gallery	12	car, vehicle	8
↑ *Roles: amplified*		↓ *Roles: suppressed*		↑ *Roles: amplified*		↓ *Roles: suppressed*	
art therapist	17	mvp	7	postdoctoral fellow	19	manicurist	6
celebrant	16	hacker	8	research associate	19	mummy	6
laureate	16	youtuber	8	research scientist	18	mama	7
travel writer	16	breeder	8	research fellow	17	beauty therapist	7
wedding planner	16	system administrator	9	geologist	17	seamstress	7
↑ *Regions: amplified*		↓ *Regions: suppressed*		↑ *Regions: amplified*		↓ *Regions: suppressed*	
Southern Europe	12	Eastern Asia	8	Central Asia	13	Southern Asia	10
Western Europe	12	Southern Asia	8	Eastern Europe	12	South-East. Asia	10
Northern Europe	11	Central Asia	9	Northern Africa	11	Northern Europe	10
Latin Am. & Carr.	11	South-East. Asia	9	Western Europe	11	North America	10
Australia & N.Z.	11	Pacific Islands	9	Pacific Islands	11	Eastern Asia	10

Educational Value				**Required Expertise**			
↑ *Topics: amplified*		↓ *Topics: suppressed*		↑ *Topics: amplified*		↓ *Topics: suppressed*	
research, university	16	fashion, women	6	research, university	18	fashion, women	7
students, school	15	online, store	7	law, legal	15	online, store	7
children, child	14	car, vehicle	7	solutions, tech.	14	event, events	7
health, care	14	furniture, jewelry	7	dr, medical	14	food, restaurant	7
dr, medical	14	event, events	8	software, data	13	furniture, jewelry	7
↑ *Roles: amplified*		↓ *Roles: suppressed*		↑ *Roles: amplified*		↓ *Roles: suppressed*	
pathologist	18	band	6	postdoctoral fellow	22	mommy	6
lang. pathologist	18	act	6	research associate	21	crafter	6
postdoctoral fellow	17	bandleader	7	research fellow	2	momma	6
classroom teacher	17	dj	7	research scientist	18	quilter	6
instruct. designer	17	drummer	7	associate professor	18	florist	7
↑ *Regions: amplified*		↓ *Regions: suppressed*		↑ *Regions: amplified*		↓ *Regions: suppressed*	
Sub-Sah. Africa	10	Eastern Asia	8	Eastern Europe	12	Pacific Islands	10
Northern Europe	10	Pacific Islands	9	Western Europe	12	North America	10
Australia & N.Z.	10	Southern Asia	9	Central Asia	11	Australia & N.Z.	10
North America	10	South-East. Asia	9	Northern Africa	11	South-East. Asia	10
Western Europe	10	Southern Europe	10	Eastern Asia	11	Southern Asia	10

Abbreviations: tech. = technology | lang. pathologist = language pathologist | instruct. designer = instructional designer | Latin Am. & Carr. = Latin America & Carribean | Sub-Sah. = Sub-Saharan

ness constraints into the data selection process by modifying the prompts for the LLM judge, or by explicitly selecting for underrepresented topics, roles, or regions.

6. Conclusion

Our method presents a way to maximize the quality of language models by selecting high-quality training data. Even though the method is simple, it is effective in improving the performance of language models, and can be effectively replicated by other researchers focusing on different qualities. We also believe that our method can be used to filter out toxic or discriminatory pre-training data in a more nuanced and comprehensive fashion. Another avenue for future research is to use our pipeline to select instruction data or task-specific data tailored to specific applications.

We sought to emphasise the need to further study the biases inherent in our data selection method, and to promote end-to-end transparency in the data curation process. We also recommend that in practice, QuRating should be combined with supplemental curation strategies to prevent underrepresentation of certain languages and topics. The resulting models should be carefully evaluated for biases before wider deployment.

By studying a set of intuitive qualities as the basis for data selection, our work also sheds light on the relationship between pre-training data and model capabilities. This work is a step towards deepening our understanding of the specific characteristics of data that make it especially valuable for training language models, and we hope that it will inspire further research in this area.

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A. Prompt Design Details

Prompt Template

```
Compare two text excerpts and choose the text
which {criterion}

Aspects that should NOT influence your
judgement:
1.  Which language the text is written in
2.  The length of the text
3.  The order in which the texts are presented

Note that the texts are cut off, so you have
to infer their contexts.  The texts might have
similar quality, but you should still make a
relative judgement and choose the label of the
preferred text.

[Option A]
...  {text_a} ...

[Option B]
...  {text_b} ...

Now you have to choose between either A or B.
Respond only with a single word.
```

Writing Style

```
has a more polished and
beautiful writing style.
```

Facts & Trivia

```
contains more facts and trivia.
Prefer specific facts and
obscure trivia over more
common knowledge.
```

Educational Value

```
has more educational value,
e.g., it includes clear
explanations, step-by-step
reasoning, or questions and
answers.
```

Required Expertise

```
requires greater expertise
and prerequisite knowledge to
understand it.
```

Table 3. For each of our criteria, we curate 40 documents that exhibit particularly strong or weak qualities. We use this data for prompt tuning and validating model performance. This table gives a description of the sources of documents in this validation set. Examples with citations come from existing NLP datasets.

Criterion		Sources
Writing Style	*High*	11 featured Wikipedia articles, 10 fiction books, 8 academic papers, 6 famous speeches, 3 Supreme Court decisions, 2 Shakespeare texts
	Low	10 Yelp reviews (Zhang et al., 2015), 10 spam messages (Almeida & Hidalgo, 2012), 10 tables/lists, 5 Amazon product reviews, and 3 Enron spam e-mails (Metsis et al., 2006)
Facts & Trivia	*High*	21 niche Wikipedia articles, 12 fun fact lists, 7 IMDb trivia sections
	Low	15 Wikipedia summaries of Pixar movies, 15 books (Gao et al., 2020), 5 poems, 5 textbook explanations
Educational Value	*High*	13 Khan Academy explanations (across subjects), 8 science textbooks, 6 history textbooks, 5 high-level Wikipedia articles
	Low	10 reality TV transcripts, 10 fantasy/sci-fi books, 10 niche Wikipedia articles, 7 gossip news posts, 3 obscure WikiHow articles
Required Expertise	*High*	15 Wikipedia articles, 12 technical academic papers, 9 advanced textbook excerpts, 4 patents/laws
	Low	10 WikiHow articles, 10 Children's books, 5 nursery rhymes, 5 miscellaneous how-to articles

B. Detailed Results

We feature the full perplexity results in Table 4. Table 5 contains the full ICL results.

Table 4. Held-out per-token perplexity per RedPajama domain between language models trained on 30B tokens from different data selection methods. We highlight the best result in each column (before rounding). *bottom-k* and *inv.* denote inverse sampling, in which we sample documents with the lowest quality ratings. Abbreviations: HellaSw. = HellaSwag, W.G. = WinoGrande, exp. = expertise.

Selection Method		CC	C4	Github	Wiki	ArXiv	StackEx	Book	Overall
Uniform		9.81	11.66	2.58	9.46	5.21	4.31	12.04	8.96
+ curriculum: low-to-high exp.		9.76 ↓0.05	11.70 ↑0.04	2.56 ↓0.02	9.30 ↓0.16	5.11 ↓0.10	4.28 ↓0.03	11.92 ↓0.12	8.92 ↓0.04
+ curriculum: high-to-low exp.		9.80 ↓0.01	11.58 ↓0.08	2.56 ↓0.02	9.37 ↓0.09	5.40 ↑0.19	4.26 ↓0.05	12.08 ↑0.04	8.96 ↑0.00
DSIR: Wiki		11.10 ↑1.29	15.19 ↑3.53	3.07 ↑0.49	18.26 ↑8.80	6.24 ↑1.03	5.09 ↑0.78	14.47 ↑2.43	10.67 ↑1.71
DSIR: Book		11.97 ↑2.16	14.56 ↑2.90	3.03 ↑0.45	22.75 ↑13.29	6.18 ↑0.97	5.03 ↑0.72	12.21 ↑0.17	11.00 ↑2.04
Writing Style	*top-k*	11.50 ↑1.69	14.56 ↑2.90	2.98 ↑0.40	16.52 ↑7.06	5.37 ↑0.16	5.04 ↑0.73	12.03 ↓-0.01	10.53 ↑1.57
	τ=1.0	9.89 ↑0.08	12.11 ↑0.45	2.57 ↓0.01	9.70 ↑0.24	5.14 ↓0.07	4.35 ↑0.04	**11.62** ↓**0.42**	9.04 ↑0.08
	τ=2.0	9.74 ↓0.07	11.74 ↑0.08	2.56 ↓0.02	9.40 ↓0.06	5.14 ↓0.07	4.28 ↓0.03	11.70 ↓0.34	8.90 ↓0.06
Facts & Trivia	*top-k*	10.92 ↑1.11	14.68 ↑3.02	2.99 ↑0.41	32.15 ↑22.69	5.53 ↑0.32	5.15 ↑0.84	13.92 ↑1.88	10.56 ↑1.60
	τ=1.0	9.81 ↑0.00	12.40 ↑0.74	2.57 ↓0.01	10.38 ↑0.92	5.13 ↓0.08	4.33 ↑0.02	12.16 ↑0.12	9.08 ↑0.12
	τ=2.0	**9.70** ↓**0.11**	11.86 ↑0.20	2.55 ↓0.03	9.61 ↑0.15	5.12 ↓0.09	4.27 ↓0.04	11.96 ↓0.08	8.91 ↓0.05
Educational Value	*top-k*	11.41 ↑1.60	14.30 ↑2.64	2.94 ↑0.36	18.66 ↑9.20	5.26 ↑0.05	4.90 ↑0.59	14.22 ↑2.18	10.59 ↑1.63
	τ=1.0	9.92 ↑0.11	12.11 ↑0.45	2.57 ↓0.01	10.04 ↑0.58	5.07 ↓0.14	4.31 ↑0.00	12.14 ↑0.10	9.08 ↑0.12
	τ=2.0	9.74 ↓0.07	11.71 ↑0.05	**2.55** ↓**0.03**	9.51 ↑0.05	5.09 ↓0.12	4.26 ↓0.05	11.93 ↓0.11	8.91 ↓0.05
Required Expertise	*top-k*	12.67 ↑2.86	16.74 ↑5.08	3.03 ↑0.45	14.63 ↑5.17	5.08 ↓-0.13	5.33 ↑1.02	15.12 ↑3.08	11.54 ↑2.58
	τ=1.0	9.95 ↑0.14	12.35 ↑0.69	2.57 ↓0.01	9.50 ↑0.04	**5.03** ↓**0.18**	4.29 ↓0.02	12.09 ↑0.05	9.11 ↑0.15
	τ=2.0	9.77 ↓0.04	11.83 ↑0.17	2.55 ↓0.03	9.31 ↓0.15	5.09 ↓0.12	4.25 ↓0.06	11.92 ↓0.12	8.93 ↓0.03
Writing Style	*bottom-k*	12.16 ↑2.35	14.31 ↑2.65	3.07 ↑0.49	12.71 ↑3.25	6.00 ↑0.79	4.91 ↑0.60	16.29 ↑4.25	11.10 ↑2.14
	inv. τ=1.0	10.08 ↑0.27	11.72 ↑0.06	2.57 ↓0.01	9.59 ↑0.13	5.27 ↑0.06	4.26 ↓0.05	12.80 ↑0.76	9.16 ↑0.20
	inv. τ=2.0	9.83 ↑0.02	11.52 ↓0.14	2.55 ↓0.03	9.35 ↓0.11	5.20 ↓0.01	**4.24** ↓**0.07**	12.27 ↑0.23	8.96 ↓0.00
Facts & Trivia	*bottom-k*	12.10 ↑2.29	13.30 ↑1.64	3.27 ↑0.69	11.48 ↑2.02	6.57 ↑1.36	5.22 ↑0.91	14.20 ↑2.16	10.90 ↑1.94
	inv. τ=1.0	10.16 ↑0.35	11.56 ↓0.10	2.59 ↑0.01	9.45 ↓0.01	5.38 ↑0.17	4.32 ↑0.01	12.32 ↑0.28	9.17 ↑0.21
	inv. τ=2.0	9.88 ↑0.07	**11.45** ↓**0.21**	2.56 ↓0.02	9.28 ↓0.18	5.24 ↑0.03	4.27 ↓0.04	12.05 ↑0.01	8.97 ↑0.01
Educational Value	*bottom-k*	12.29 ↑2.48	14.37 ↑2.71	3.45 ↑0.87	11.99 ↑2.53	6.33 ↑1.12	5.61 ↑1.30	14.90 ↑2.86	11.23 ↑2.27
	inv. τ=1.0	10.14 ↑0.33	11.84 ↑0.18	2.63 ↑0.05	9.46 ↑0.00	5.39 ↑0.18	4.42 ↑0.11	12.44 ↑0.40	9.22 ↑0.26
	inv. τ=2.0	9.85 ↑0.04	11.56 ↓0.10	2.58 ↓0.00	**9.28** ↓**0.18**	5.25 ↑0.04	4.31 ↓0.00	12.09 ↑0.05	8.98 ↑0.02
Required Expertise	*bottom-k*	12.35 ↑2.54	13.83 ↑2.17	3.63 ↑1.05	13.22 ↑3.76	6.45 ↑1.24	5.72 ↑1.41	15.08 ↑3.04	11.28 ↑2.32
	inv. τ=1.0	10.07 ↑0.26	11.60 ↓0.06	2.64 ↑0.06	9.70 ↑0.24	5.38 ↑0.17	4.42 ↑0.11	12.39 ↑0.35	9.16 ↑0.20
	inv. τ=2.0	9.82 ↑0.01	11.46 ↓0.20	2.58 ↓0.00	9.43 ↓0.03	5.25 ↑0.04	4.31 ↓0.00	12.07 ↑0.03	8.95 ↓0.01
Mix of criteria		9.71 ↓0.10	11.75 ↑0.09	2.55 ↓0.03	9.60 ↑0.14	5.12 ↓0.09	4.27 ↓0.04	11.83 ↓0.21	**8.90** ↓**0.06**

Table 5. The in-context learning performance across all our models. We report accuracy for all tasks, except for NQ, where we report EM, and highlight the best result in each column (before rounding). *bottom-k* and *inv.* denote inverse sampling, in which we sample documents with the lowest quality ratings. Abbreviations: HellaSw. = HellaSwag, W.G. = WinoGrande, exp. = expertise.

		Reading Comprehension					Commonsense Reasoning			World Knowledge		
Selection Method		**ARC-E** (15)	**ARC-C** (15)	**SciQ** (2)	**LogiQA** (2)	**BoolQ** (0)	**HellaSw.** (6)	**PIQA** (6)	**W.G.** (15)	**NQ** (10)	**MMLU** (5)	**Average**
Uniform		57.5	27.6	87.7	24.1	57.5	44.0	68.6	52.5	4.1	25.7	44.9
+ curriculum: low-to-high exp.		58.0 ↑0.5	28.1 ↑0.5	87.0 ↓0.7	26.0 ↑1.9	59.6 ↑2.1	43.7 ↓0.3	67.5 ↓1.1	53.9 ↑1.4	4.8 ↑0.7	26.4 ↑0.7	45.5 ↑0.6
+ curriculum: high-to-low exp.		56.6 ↓0.9	28.8 ↑1.2	89.7 ↑2.0	24.3 ↑0.2	55.2 ↓2.3	44.7 ↑0.7	69.3 ↑0.7	53.0 ↑0.5	5.5 ↑1.4	27.2 ↑1.5	45.4 ↑0.5
DSIR: Wiki		52.8 ↓4.7	26.3 ↓1.3	85.9 ↓1.8	25.2 ↑1.1	60.3 ↑2.8	35.8 ↓8.2	61.4 ↓7.2	52.2 ↓0.3	4.7 ↑0.6	24.7 ↓1.0	42.9 ↓2.0
DSIR: Book		49.5 ↓8.0	25.3 ↓2.3	83.6 ↓4.1	23.5 ↓0.6	57.9 ↑0.4	44.8 ↑0.8	69.4 ↑0.8	55.6 ↑3.1	3.1 ↓1.0	25.2 ↓0.5	43.8 ↓1.1
Writing Style	*top-k*	52.7 ↓4.8	27.3 ↓0.3	79.7 ↓8.0	26.4 ↑2.3	60.5 ↑3.0	41.6 ↓2.4	66.1 ↓2.5	52.3 ↓0.2	2.5 ↓1.6	24.4 ↓1.3	43.4 ↓1.5
	τ=1.0	56.3 ↓1.2	26.6 ↓1.0	86.5 ↓1.2	24.7 ↑0.6	58.5 ↑1.0	45.0 ↑1.0	67.7 ↓0.9	53.9 ↑1.4	4.3 ↑0.2	24.5 ↓1.2	44.8 ↓0.1
	τ=2.0	56.4 ↓1.1	28.4 ↑0.8	85.8 ↓1.9	24.9 ↑0.8	59.3 ↑1.8	44.9 ↑0.9	68.6	53.8 ↑1.3	4.5 ↑0.4	23.8 ↓1.9	45.0 ↑0.1
Facts & Trivia	*top-k*	65.6 ↑8.1	33.1 ↑5.5	87.9 ↑0.2	24.1	60.9 ↑3.4	39.4 ↓4.6	62.5 ↓6.1	53.1 ↑0.6	**5.7 ↑1.6**	25.3 ↓0.4	45.8 ↑0.9
	τ=1.0	62.1 ↑4.6	32.8 ↑5.2	89.1 ↑1.4	24.4 ↑0.3	60.6 ↑3.1	43.2 ↓0.8	66.4 ↓2.2	52.9 ↑0.4	5.2 ↑1.1	25.6 ↓0.1	46.2 ↑1.3
	τ=2.0	59.3 ↑1.8	29.8 ↑2.2	88.1 ↑0.4	25.0 ↑0.9	61.4 ↑3.9	43.9 ↓0.1	68.3 ↓0.3	54.6 ↑2.1	4.4 ↑0.3	26.9 ↑1.2	46.2 ↑1.3
Educational Value	*top-k*	**66.6 ↑9.1**	**34.6 ↑7.0**	89.6 ↑1.9	24.6 ↑0.5	58.3 ↑0.8	45.5 ↑1.5	66.4 ↓2.2	52.9 ↑0.4	3.8 ↓0.3	25.0 ↓0.7	**46.7 ↑1.8**
	τ=1.0	62.3 ↑4.8	31.5 ↑3.9	**90.5 ↑2.8**	26.3 ↑2.2	59.8 ↑2.3	**45.9 ↑1.9**	68.0 ↓0.6	51.9 ↓0.6	4.3 ↑0.2	26.1 ↑0.4	46.7 ↑1.8
	τ=2.0	60.7 ↑3.2	30.4 ↑2.8	88.8 ↑1.1	**26.6 ↑2.5**	60.1 ↑2.6	45.4 ↑1.4	69.1 ↑0.5	54.2 ↑1.7	4.3 ↑0.2	27.1 ↑1.4	46.7 ↑1.8
Required Expertise	*top-k*	60.4 ↑2.9	30.9 ↑3.3	86.8 ↓0.9	25.0 ↑0.9	60.9 ↑3.4	36.1 ↓7.9	57.8 ↓10.8	52.2 ↓0.3	2.4 ↓1.7	26.3 ↑0.6	43.9 ↓1.0
	τ=1.0	59.3 ↑1.8	28.9 ↑1.3	87.9 ↑0.2	26.1 ↑2.0	**61.7 ↑4.2**	41.9 ↓2.1	66.0 ↓2.6	52.2 ↓0.3	3.9 ↓0.2	24.8 ↓0.9	45.3 ↑0.4
	τ=2.0	59.6 ↑2.1	29.8 ↑2.2	89.0 ↑1.3	23.8 ↓0.3	61.4 ↑3.9	43.2 ↓0.8	67.4 ↓1.2	**56.0 ↑3.5**	4.6 ↑0.5	25.4 ↓0.3	46.0 ↑1.1
Writing Style	*bottom-k*	50.9 ↓6.6	23.8 ↓3.8	87.0 ↓0.7	24.9 ↑0.8	55.1 ↓2.4	35.5 ↓8.5	64.2 ↓4.4	49.6 ↓2.9	3.1 ↓1.0	25.3 ↓0.4	41.9 ↓3.0
	inv. τ=1.0	55.9 ↓1.6	27.0 ↓0.6	88.4 ↑0.7	24.0 ↓0.1	60.8 ↑3.3	41.4 ↓2.6	67.2 ↓1.4	54.5 ↑2.0	4.4 ↑0.3	25.2 ↓0.5	44.9 ↓0.0
	inv. τ=2.0	56.6 ↓0.9	27.3 ↓0.3	88.9 ↑1.2	24.9 ↑0.8	60.3 ↑2.8	43.3 ↓0.7	67.6 ↓1.0	52.4 ↓0.1	4.7 ↑0.6	24.7 ↓1.0	45.1 ↑0.2
Facts & Trivia	*bottom-k*	43.2 ↓14.3	21.2 ↓6.4	82.8 ↓4.9	23.8 ↓0.3	57.6 ↑0.1	38.8 ↓5.2	65.8 ↓2.8	52.6 ↑0.1	1.9 ↓2.2	25.8 ↑0.1	41.4 ↓3.5
	inv. τ=1.0	50.0 ↓7.5	24.7 ↓2.9	86.3 ↓1.4	25.0 ↑0.9	60.3 ↑2.8	43.2 ↓0.8	68.1 ↓0.5	51.0 ↓1.5	3.0 ↓1.1	25.9 ↑0.2	43.8 ↓1.1
	inv. τ=2.0	53.4 ↓4.1	26.1 ↓1.5	88.2 ↑0.5	25.8 ↑1.7	60.8 ↑3.3	44.2 ↑0.2	68.8 ↑0.2	52.8 ↑0.3	4.8 ↑0.7	25.4 ↓0.3	45.0 ↑0.1
Educational Value	*bottom-k*	39.1 ↓18.4	22.0 ↓5.6	79.5 ↓8.2	26.1 ↑2.0	58.2 ↑0.7	34.9 ↓9.1	63.1 ↓5.5	53.2 ↑0.7	2.6 ↓1.5	23.9 ↓1.8	40.3 ↓4.6
	inv. τ=1.0	48.7 ↓8.8	23.0 ↓4.6	85.1 ↓2.6	23.7 ↓0.4	57.4 ↓0.1	40.2 ↓3.8	66.4 ↓2.2	52.5	3.9 ↓0.2	25.3 ↓0.4	42.6 ↓2.3
	inv. τ=2.0	54.5 ↓3.0	26.1 ↓1.5	86.5 ↓1.2	26.1 ↑2.0	60.3 ↑2.8	42.7 ↓1.3	68.7 ↑0.1	53.4 ↑0.9	4.7 ↑0.6	23.7 ↓2.0	44.7 ↓0.2
Required Expertise	*bottom-k*	41.9 ↓15.6	24.0 ↓3.6	82.6 ↓5.1	25.3 ↑1.2	56.0 ↓1.5	41.0 ↓3.0	69.4 ↑0.8	51.7 ↓0.8	3.7 ↓0.4	**27.4 ↑1.7**	42.3 ↓2.6
	inv. τ=1.0	52.7 ↓4.8	25.7 ↓1.9	87.5 ↓0.2	23.7 ↓0.4	58.3 ↑0.8	44.1 ↑0.1	**69.6 ↑1.0**	53.1 ↑0.6	4.7 ↑0.6	25.7 ↓0.0	44.5 ↓0.4
	inv. τ=2.0	56.4 ↓1.1	26.2 ↓1.4	86.4 ↓1.3	23.7 ↓0.4	61.5 ↑4.0	44.6 ↑0.6	68.9 ↑0.3	53.4 ↑0.9	5.0 ↑0.9	24.1 ↓1.6	45.0 ↑0.1
Mix of criteria		59.2 ↑1.7	30.2 ↑2.6	88.0 ↑0.3	24.3 ↑0.2	58.7 ↑1.2	44.5 ↑0.5	68.7 ↑0.1	53.5 ↑1.0	5.3 ↑1.2	25.1 ↓0.6	45.7 ↑0.8

C. Further Analysis

We provide further details of the quality ratings on a random subset of 1M sequences from the 260B QuRatedPajama dataset.



Figure 11. Distribution of normalized quality ratings over clusters of 760K CommonCrawl and C4 training sequences.

Table 6. We select the top 10% of the webpages in the AboutMe dataset according to different quality ratings (top-k selection). We report the categories that are most/least retained (amplified/suppressed) in the selected data, and report their retention rates in %.

Writing Style				**Facts & Trivia**				**Educational Value**				**Required Expertise**			
↑ *Topics: amplified*		↓ *Topics: suppressed*		↑ *Topics: amplified*		↓ *Topics: suppressed*		↑ *Topics: amplified*		↓ *Topics: suppressed*		↑ *Topics: amplified*		↓ *Topics: suppressed*	
art, gallery	31	service, cleaning	1	research, university	39	hair, beauty	2	research, university	38	car, vehicle	1	research, university	47	car, vehicle	1
writing, books	28	car, vehicle	1	energy, water	23	service, cleaning	3	students, school	37	furniture, jewelry	2	law, legal	32	event, events	2
design, designer	26	quality, equipment	1	community, local	17	online, store	3	children, child	32	online, store	2	software, data	26	furniture, jewelry	2
photography	25	online, store	2	art, gallery	17	fashion, women	3	health, care	30	photography	2	dr, medical	25	online, store	2
life, yoga	23	services, service	3	film, production	17	home, homes	3	dr, medical	27	event, events	2	solutions, tech.	25	service, cleaning	2
↑ *Roles: amplified*		↓ *Roles: suppressed*		↑ *Roles: amplified*		↓ *Roles: suppressed*		↑ *Roles: amplified*		↓ *Roles: suppressed*		↑ *Roles: amplified*		↓ *Roles: suppressed*	
celebrant	49	home inspector	2	postdoctoral fellow	51	wedding planner	1	clinical psychologist	48	band	1	postdoctoral fellow	66	wedding planner	0
soprano	42	mvp	3	research associate	49	manicurist	1	postdoctoral fellow	46	manicurist	1	research fellow	61	groomer	1
laureate	39	full stack developer	3	ecologist	49	mummy	1	instruct. designer	46	makeup artist	1	research associate	60	momma	1
essayist	39	plumber	4	research fellow	47	momma	1	classroom teacher	45	tattoo artist	1	research scientist	50	florist	1
art therapist	38	youtuber	4	research scientist	42	mama	1	language pathologist	44	stylist	1	associate professor	48	mummy	1
↑ *Regions: amplified*		↓ *Regions: suppressed*		↑ *Regions: amplified*		↓ *Regions: suppressed*		↑ *Regions: amplified*		↓ *Regions: suppressed*		↑ *Regions: amplified*		↓ *Regions: suppressed*	
Southern Europe	20	Southern Asia	5	Central Asia	24	Southern Asia	9	Sub-Sah. Africa	11	Eastern Asia	5	Central Asia	20	North America	9
Western Europe	18	Eastern Asia	6	Eastern Europe	17	North America	11	Australia & N.Z.	11	Southern Europe	7	Western Europe	18	Australia & N.Z.	9
Northern Europe	14	South-East. Asia	7	Pacific Islands	15	Northern Europe	11	North America	11	Eastern Europe	7	Eastern Europe	18	Pacific Islands	9
Latin Am. & Carr.	14	Central Asia	8	Western Europe	14	Australia & N.Z.	11	Northern Europe	10	South-East. Asia	7	Western Asia	14	Southern Asia	10
Northern Africa	12	Sub-Sah. Africa	9	Northern Africa	14	South-East. Asia	11	Pacific Islands	10	Western Asia	8	Northern Africa	13	South-East. Asia	10

Abbreviations: tech. = technology | instruct. designer = instructional designer | Latin Am. & Carr. = Latin America & Carribean | Sub-Sah. = Sub-Saharan | N.Z. = New Zealand

D. Inspecting Raw Documents and Ratings

We present snippets from raw documents for the Wikipedia, Book, Stack Exchange, Github and ArXiv subsets of SlimPajama in Tables 7-11; and documents from the five largest clusters for C4 and CommonCrawl in Tables 12-16.

A small number of documents contain potentially sensitive content.

Table 7. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **Wikipedia**. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 6.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -1.32	**Writing Style** = -0.55	**Writing Style** = 0.18	**Writing Style** = 1.05
... ępnie pracował w sztabie szkoleniowym Krywbasa Krzywy Róg. Od 1977 pomagał trenować, a w 1979 został wyznaczony na stanowisko głównego trenera Szachtara Donieck, z którym pracował do końca 1985 roku. Przez 7 lat pracy w klubie zdobył z nim wiele sukcesów. Potem trenował maledіwski Victory SC Male oraz radziecкie kluby Paxtakor Taszkent, Zoria Ługańsk, Dinamo Stawropol i Weres Równe. W 1992 pomagał jako konsultant Temp Szepetówka. Po 1995 roku trenował dzieci w DJuSSz w Doniecku, drugą drużynę Worskły Połtawa. Od 17 czerwca 2005 do lipca 2007 kolejny raz szkolił główną drużynę Worskły Połtawa. Następnie zarządzał oddziałem dziecięcej piłki nożnej w Metałurhu Donieck. ⏎ ⏎ Na początku kwietnia 2008 został hospitalizowany na oddziale kardiologicznym. 15 kwietnia przeszedł operację, a 17 kwietnia serce trenera przestało się bić. ⏎ ⏎ Sukcesy i odznaczenia ⏎ ⏎ Sukcesy klubowe ⏎ finalista Pucharu ZSRR: 1963 ⏎ ⏎ Sukcesy trenerskie ⏎ wicemistrz ZSRR: 1979 ⏎ brązowy medalista Mistrzostw ZSRR: 1978 ⏎ zdobywca Pucharu ZSRR: 1980, 198	... lgaria, si formarono diversi gruppi e movimenti di guerriglieri in tutto la regione settentrionale della Grecia. Alcuni di essi combatterono contro l'occupazione, come Napoleon Zervas e il suo Esercito Nazionale Democratico Ellenico (Ethnikos Dimokratikos Ellinikos Syndesmos, EDES; in greco: Ε.Δ.Ε.Σ. - Εθνικός Δημοκρατικός Ελληνικός Σύνδεσμος), mentre altri gruppi furono sostanzialmente collaborazionisti con l'occupante, come i battaglioni Ohrana, molti dei quali successivamente si unirono al Fronte di liberazione nazionale slavo-macedone (SNOF). Vi era anche l'Esercito popolare greco di liberazione (Ellinikós Laïkós Apeleftherotikós Stratós, ELAS; in greco, Ελληνικός Λαϊκός Απελευθερωτικός Στρατός), un esercito partigiano guidato dal Partito Comunista di Grecia (Kommounistiko Komma Elladas, KKE; in greco, Κομμουνιστικό Κόμμα Ελλάδας). Sebbene l'ELAS in alcuni casi abbia fatto affidamento su una mobilitazione forzata, gli appartenenti al gruppo etnico macedone simpatizzarono con	... Taganrog et Kichinev. Politiquement libéral, il était cadet, membre du Parti constitutionnel démocratique. ⏎ ⏎ Lev Philippovitch Wolkenstein avait trois demi-frères, Ossip Philippovitch Wolkenstein, qui sera un homme d'affaires et politique de Rostov-sur-le-Don, Akim Philippovitch Wolkenstein, médecin militaire ayant acquis la noblesse héréditaire et Emmanuel Philippovitch dont on sait peu de choses mais dont on retrouve la trace comme marchand à Kichinev en 1870, et un frère Mikhaïl Philippovitch Wolkenstein qui sera également avocat. ⏎ ⏎ Biographie ⏎ ⏎ Enfance : De Berdytchiv au gymnasium de Tagarong ⏎ Lev Philippovitch (Isaak-Leib Falkevitch ou Govshiyovitch) naît en 1858 à Berdytchiv dans une famille de Juifs de Galicie, les Wolkenstein. Son père Govshiya Falik Wolkenstein est marchand de la troisième guilde et gestionnaire de domaine pour l'aristocratie polonaise. C'est un maskil qui souhaite donner une éducation à ses fils dans le contexte de l'antisémitisme de l'Empire Russe. Govshiya Falik Wolkenstein meurt en 1861. Son	... f St Thomas. ⏎ ⏎ Teodorani has also contributed to the creation and is a member of the scientific committee of the RomaNoir congress (first held in 2004) organised by the department of philological, linguistic and literary studies of La Sapienza university in Rome. In 2005 she held a seminary about her writing at the university of Wurzburg in Germany. ⏎ ⏎ Some of her stories have been adapted for a DVD called Appuntamenti Letali (Lethal appointments) containing short and medium length films published by Filmhorror com. ⏎ In 2008 the author published I sacramenti del male with Giallo Mondadori and collaborated with the experimental electronic music band Le forbici di Manitù. This collaboration gave rise in 2010 to a CD including a novella by Teodorani, L'Isola, which in 2011 was released in France by Les éditions de l'Antre. ⏎ ⏎ At the start of 2016 Teodorani published a non-genre book with Stampa Alternativa set in Emilia-Romagna during the seventies called Gramsci in cenere, which in May 2016 won the award for the best book of i
Facts & Trivia = -1.16	**Facts & Trivia** = -0.45	**Facts & Trivia** = 0.39	**Facts & Trivia** = 1.96
... y + (x + y/4)O_2 → xCO_2 + (y/2)H_2O ⏎ ⏎ Per exemple la combustió del propà és: ⏎ C_3H_8 + $5O_2$ → 3CO_2 + $4H_2O$ ⏎ ⏎ Tipus de combustió ⏎ D'acord amb com es produeixen les reaccions de combustió, aquestes poden ser de diferents tipus. ⏎ Combustió completa: té lloc quan les substàncies combustibles reaccionen fins al màxim grau possible d'oxidació. En aquest cas no hi haurà presència de substàncies combustibles en els productes de la reacció. ⏎ Combustió incompleta: es produeix quan no s'arriba al grau màxim d'oxidació i hi ha presència de substàncies combustibles en els gasos de la reacció. ⏎ Combustió estequiomètrica o teòrica: és la combustió que es duu a terme amb la quantitat mínima d'aire perquè no existeixin substàncies combustibles en els gasos de reacció. En aquest tipus de combustió no hi ha presència d'oxigen en els fums, a causa del fet que aquest s'ha emprat integrament en la reacció. ⏎ Combustió amb excés d'aire: és la reacció que es produeix amb una quantitat d'aire superior al mínim necessari. Quan s'utilitza un excés d'air	... o pierwsze planowali zmniejszyć prawdopodobieństwo wojny oraz udział w niej swego regionu poprzez rozluźnienie więzów z Wielką Brytanią, tak by w czasie ewentualnego konfliktu zachować neutralność. Po drugie poprzez unie trzech dominiów, stworzyć na tyle silny organizm polityczny, by moc się przeciwstawić aneksyjnym ciągotom amerykańskim. W dążeniu do unii odgrywały rolę także czynniki gospodarcze, a głównie projekt budowy Kolei Interkolonialnej. Trzy dominia planowały zwołanie konferencji w celu przedyskutowania ewentualnej unii. W lecie 1864 w okresie przygotowań do konferencji unijnej, do Nowej Szkocji przybyła delegacja Kanady, której liderem był Thomas D'Arcy McGee. Delegaci Kanady pozostali w Halifaksie przez szereg dni wypełniony piknikami, bankietami, krajoznawczymi wycieczkami i nieformalnymi rozmowami politycznymi. W czasie tego spotkania Kanadyjczycy przestawili koncepcję szerokiej unii wszystkich dominiów brytyjskich Ameryki Północnej. Propozycja spotkała się z ciepłym przyjęciem. Nawet Joseph Howe, późniejszy gorąc	... . Otok leži ob Istrski obali zahodno od Fažane, od katere ga ločuje 2 km širok Fažanski kanal. Od Pule je oddaljen okoli 6 km. ⏎ ⏎ Tako kot večina ostalih Brionskih otokov je bil tudi Veliki Brijun naseljen že v prazgodovini. Od leta 177 pr. n. št. je bil otok v posesti Rimljanov. V 1. stol. je na otoku nastalo več rimskih naselji: na mestu kjer stoji današnje naselja Brijun, v zalivu Dobrika in na griču Kolci. Po propadu rimskega imperija se na otoku menjajo različni lastniki. Od Benečanov je 1893 otok kupi Meranski industriálec Kupelwieser in zgradi ekskluzivno letovišče s hoteli, kopališči, hipodromom, igrišči za golf in tenis, uredijo se parki in lovišča za divje živali. Zgradili so okoli 80 km sprehajalnih poti. Iz Fažane pa so pod morjem napeljali vodovod. Pri načrtovanju ureditve je sodeloval tudi mikrobiolog Robert Koch. ⏎ ⏎ V zalivu Verige na vzhodni obali so se ohranili ostanki razkošne rimske vile rustice, ki je bila zgrajena v 1. stol. Ostanki predstavljajo arhitektonski kompleks, ki se v dolžini enega kilometra razpotet	... , on the east side of the Rock. ⏎ They fired their first shots in anger on 7 July 1940 and from then on they were often in action against Vichy French and Italian planes, engaging German planes later in the war. They shot down their first enemy aircraft on the night of 20 August 1940. The entry in the unit's War Diary reads as follows: ⏎ ⏎ Early in 1944, the force was reconstituted under the Defence Force Ordinance 1943. The majority of volunteers were placed on the reserve list, with other sections disbanded. ⏎ ⏎ Post war ⏎ On 30 August 1958, the permanent cadre and the reserve of the Gibraltar Defence Force was formed into the Gibraltar Regiment. The regiment then had a dual role, being organised as an infantry battalion with four rifle companies and an artillery troop manning the coastal guns. This organisation was to remain in force until 1971. With the departure of the last gunner unit in 1958, the regiment was issued with four 25 pounder (88 mm) guns and took over the responsibilities of firing Royal Gun Salutes. ⏎ ⏎ On 2
Educational Value = -1.65	**Educational Value** = -0.94	**Educational Value** = -0.21	**Educational Value** = 0.99
... свою плоть, мог обращаться стол бом чёрного дыма и принимать облик других людей. (Он принимал облик Из абеллы, Кристиана Шепарда, Йеми, Пука Медузы, Джона Локка и Алекс) ⏎ ⏎ Человек в черном (XIX век) ⏎ Человек в черном пришёл на берег у статуи, где в это время завтракал Джейкоб. Он увидел корабль на горизонте и сказал, что знает, что их привёл Джейкоб. Он сказал, что Джейкоб всё ещё пытается доказать ему, что он не прав. Он приводит людей на остров, и всегда это кончается одним. Потом он спрашивает, знает ли Джейкоб, как сильно он хочет убить его. Получив утвердительный ответ, он говорит, что когда-нибудь он найдёт лазейку. После этого он уходит. (Инцидент). Когда «Чёрная скала» потерпела крушение на острове, и капитан начал убивать	... bbey Show in the 1970s until the 1990s. Kelly played the part of a culchie, "Gobnait O'Lúnasa", the sketches typically started with the sound of him putting coins in an old freckle coin box, and when the phone rang and was answered, his words were, "Hello! Guess who? Is that you Nuala?" Kelly acted the part of an English BBC reporter interviewing rural inhabitants about local customs, such as watching bacon being sliced, or "ha-hooing" (shouting a rebel yell) competitions. The village was called Ballykilferret and described by the BBC man as being in "the Republic of Eer-ah" (a mispronunciation of Éire). ⏎ ⏎ Music career ⏎ In 1982, Kelly released a single, "Christmas Countdown", a comedy monologue based on the Christmas song "The Twelve Days of Christmas" and credited to the pseudonymic Gobnait O'Lúnasa. It reached number eight in the Irish Singles Chart in 1982, and peaked at number 26 in the UK Singles Chart and number 15 in Australia in 1984. ⏎ He performed the single live on Top of the Pops on 5 January of that year. The s	... hijo Absalón y fue posteriormente el instrumento para traer al rey Salomón al trono. Después de que se construyese el Primer Templo de Salomón en Jerusalén, Sadoc fue el primer Sumo sacerdote de Israel en servir allí. ⏎ ⏎ El profeta Ezequiel ensalza a los hijos de Sadoc como acérrimos adversarios del paganismo durante la era del culto pagano, e indica su defensa de privilegios y deberes únicos en el futuro templo. ⏎ ⏎ Biblia ⏎ La Biblia declara que Sadoc era descendiente patrilineal de Eleazar, el hijo de Aarón el sumo sacerdote. El linaje de Sadoc es presentado en la genealogía de Esdras (su descendiente) como de la novena generación de descendencia patrilineal directa de Fineas, el hijo de Eleazar. ⏎ ⏎ Por orden cronológico, Sadoc es mencionado por primera vez como apoyo de David en Hebrón. Durante la rebelión de Absalón, Sadoc es mencionado, cuando él y los levitas desearon acompañar el David en su huida para traer el Arca de la Alianza, pero el rey les ordenó quedarse en Jerusalén, donde le podrían hacer mejor servicio, de	... blast, and cold-blast. Both hot-blast and cold-blast designs are called tubular lanterns and are safer than dead-flame lamps, as tipping over a tubular lantern cuts off the oxygen flow to the burner and will extinguish the flame within seconds. ⏎ ⏎ The earliest portable kerosene "glass globe" lanterns, of the 1850s and 1860s, were of the dead-flame type, meaning that it had an open wick, but the flame was strictly controlled in an upward motion by a combination of vents at the bottom of the burner and an open topped chimney. This had the effect of removing side-to-side drafts and thus significantly reducing or even eliminating the flickering that can occur with an exposed flame. ⏎ ⏎ Later lanterns, such as the hot-blast and cold-blast lanterns, took this airflow control even further by partially or fully enclosing the wick in a "deflector" or "burner cone" and then channeling the air to be supplied for combustion at the wick while at the same time pre-heating the air for combustion. ⏎ ⏎ The hot-blast design, also kn
Required Expertise = -1.08	**Required Expertise** = -0.38	**Required Expertise** = 0.33	**Required Expertise** = 1.03
... всемирную славу и первую номинацию на премию «Грэмми»: на 46-й церемонии «Грэмми» в категории Лучшая исполнительница поп-музыки. Сингл занял первые места в хит-парадах таких стран как Австралия, Австрия, Германия, Италия, Норвегия, Португалия, Чехия. В дальнейшем песня звучала во многих сериалах (Тайны Смолвиля, Переростки, Медиум, Клан Сопрано, Вернуть из мёртвых, Детектив Раш) и фильмах (Идеальный незнакомец, Мамочка, Безупречный). «White Flag» вошла в список «The 500 Greatest Songs Since You Were Born» (Blender, № 317). ⏎ ⏎ История ⏎ «Белый флаг» был написан и спродюсирован Дайдо, Ролло Армстронгом и Риком Ноуэлсом. В песне главный герой не желает сдаваться, даже если знает, что ее отношения окончены. ⏎ ⏎ «White Flag» отличается «многослойным» звук	... ого нібито антисемітські висловлювання у стані алкогольного сп'яніння. Таке рішення було ухвалено після того, як керівники Christian Dior подивилися відеозапис того, що в ідбувалося за участю Гальяно у парижському кафе La Perle в кварталі Маре. У британських ЗМІ з'явилася інформація про те, що в одному з паризьких барів п'яний Д. Гальяно посварився з іншими відвідувачами. «Такі, як ви, люди повинні бути мудрі. Ваші матері та батьки повинні були всі загнути у газових камерах!», – говорив він. ⏎ ⏎ Скривдженими виявилися двоє відвідувачів – 41-річний Філіп Вір жіті і 35-річна Жеральдін Блох, які подали позов проти дизайнера, звинувативши його в антисемітських висловах. Адвокат Гальяно Стефан Зербіб заявив, що його клієнт не вимовляв	... nost, ki ju je ponujala poljska sfera, in na splošno želelo, da bi njihova dežela postala del Poljske krone. ⏎ ⏎ Litovci so bili prisiljeni vrniti se v Sejm in nadaljevati pogajanja z nekoliko drugačno taktiko kot je bila Radziwiłłova. Čeprav je poljska šlahta želela popolno vključitev Velike litovske kneževine v Poljsko krono, so Litovci temu še naprej nasprotovali in pristali edino na zvezno državo. 28. junija 1569 so bili premagani še zadnji ugovori in kralj je 4. julija 1569 v skladu z dogovorom na gradu Lublin podpisal listino o združitvi v Republiko obeh narodov. ⏎ ⏎ Poskus modernizacije ⏎ Lublinsko unijo naj bi nadomestila ustava, sprejeta 3. maja 1791, po kateri bi kralj Stanisław Avgust Poniatowski preoblikoval zvezno skupnost v enotno državo. Ustava ni bila v celoti izvedena. Republika obeh narodov se je končala z delitvijo Poljske leta 1795. ⏎ ⏎ Posledice ⏎ ⏎ Kultura ⏎ ⏎ V Republiki obeh narodov so imeli litovski plemiči enake formalne pravice kot poljski, da na svojih domenah vladajo svojim podložnikom. Poljski jezi	... de l'école hongroise de psychanalyse, qui s'étaient structurée autour de Ferenczi, Vilma Kovácz, Michael et Alice Balint notamment. Rôheim était l'ami d'enfance de René Spitz qui en parle dans ces termes : . Spitz ajoute qu'il aime à penser que ce sont ces contes qui ont orienté l'enfant vers le devenir du futur anthropologue que Roheim sera. ⏎ ⏎ Sa carrière scientifique s'oriente précisément lorsque l'ethnologue Bronislaw Malinowski, sur la base de ses travaux ethnologiques aux îles Trobriand, émet des critiques à l'égard de la psychanalyse. La plus importante met en doute l'universalité du complexe d'Œdipe. Sigmund Freud, attentif à ces critiques, propose à Géza Róheim d'en étudier la pertinence. Ce sera là le départ pour un voyage qui le conduira en Somalie, en Australie, en Mélanésie et en Amérique de 1928 à 1931. Géza Róheim étudiera en détail de nombreuses sociétés traditionnelles, des aborigènes australiens aux Indiens d'Amérique. ⏎ ⏎ Les objections de Malinowski ne sont pas réellement pertinentes car s'il est vrai que dans l

Table 8. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **Book**. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 6.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -0.80	**Writing Style** = 0.60	**Writing Style** = 1.39	**Writing Style** = 2.10
... tz JR, Miller BL, Lesser IM, Darby AL. Frontotemporal dementia: treatment response to serotonin selective reuptake inhibitors. _J. Clin. Psychiatry_. 1997;58:212–216. ⏎ ⏎ [142] Mendez MF, Shapira JS, Miller BL. Stereotypical movements and frontotemporal dementia. _Mov. Disord._ 2005;20:742–745. ⏎ ⏎ [143] Anneser JM, Jox RJ, Borasio GD. Inappropriate sexual behaviour in a case of ALS and FTD: successful treatment with sertraline. _Amyotroph. Lateral Scler._ 2007;8:189–190. ⏎ ⏎ [144] Prodan CI, Monnot M, Ross ED. Behavioural abnormalities associated with rapid deterioration of language functions in semantic dementia respond to sertraline. _J. Neurol. Neurosurg. Psychiatry_. 2009;80:1416–1417. ⏎ ⏎ [145] Moretti R, Torre P, Antonello RM, Cazzato G, Bava A. Frontotemporal dementia: paroxetine as a possible treatment of behavior symptoms. A randomized, controlled, open 14-month study. _Eur. Neurol._ 2003;49:13–19. ⏎ ⏎ [146] Lebert F, Stekke W, Hasenbroekx C, Pasquier F. Frontotemporal dementia: a randomised, controlled trial with traz	... odd coincidence." ⏎ ⏎ Aaro shot her a dark glance but was clearly too drained to radiate true malevolence. Zia Rosa, who sat beside him, clucked her tongue and patted his thigh. "You know what your problem is, Alex, honey?" ⏎ ⏎ He looked trapped. "Don't tell me. Please." ⏎ ⏎ "Your problem is, you ain't picked out some nice lady. Look at all these people here. They're happy, see? They all got somebody. You don't got nobody. If you had a nice girl to go home to, you wouldn't have got caught with your pants off by that nasty puttanella, eh?" ⏎ ⏎ "Zia, now's not the time for the family-values lecture," Bruno said. ⏎ ⏎ Zia Rosa waved him down. "Shhh. Like my old nonna back in Brancaleone used to say," she intoned. "Attent' a le fosse." ⏎ ⏎ Lily leaned over to Bruno. "What does that mean?" ⏎ ⏎ Bruno sighed and translated. "Beware of the holes." ⏎ ⏎ Aaro buried his face in his hands. "Tell me about it," he muttered. ⏎ ⏎ Zia Rosa patted Aaro's thigh again, palpating his quadriceps muscle appreciatively. "The time's come, I guess," sh	... n go out the way it comes in?" ⏎ ⏎ "More than that, friend Ethan." Ta-hoding, overhearing, elaborated. "Once we build up enough speed traveling back down the thunder-eater's trail, we can then turn the ship and continue in any direction we wish." ⏎ ⏎ "It is the building up of enough speed that is critical," Eer-Meesach finished. ⏎ ⏎ "Kinetic energy," Ethan murmured, and then had to try and explain the unfamiliar-sounding Terranglo term in Trannish. ⏎ ⏎ "It will be not easy." Ta-hoding was talking as much to himself as to his listeners. "Even if we do pass successfully into the trail, there are other dangers to be considered." Ethan didn't press him for an explanation. ⏎ ⏎ "We must make a decision. We do have a choice." He gestured within an arm toward the bow, his dan momentarily billowing with wind. "We have cut a path a kijat or two ahead of us. We can reset sail and make a run at the forest wall. If that fails, we will then have no room to maneuver, and it will be most difficult to try and back up for another run. Also, I sh	... sh of bottled water. ⏎ ⏎ "Here's something else," she said. "Napoleon refused to go into debt. He despised financiers, and blamed them for many of the French Republic's shortfalls. Now he didn't mind confiscating money, or extorting it, or even depositing money in banks, but he refused to borrow. In that, he was totally different from all who came before him, or after." ⏎ ⏎ "Not a bad policy," he muttered. "Leeches, every one of the bankers." ⏎ ⏎ "Would you like to be rid of them?" ⏎ ⏎ She saw that prospect seemed pleasing, but her gaze kept silent. ⏎ ⏎ "Napoleon agreed with you," she said. "He flatly rejected the American offer to buy New Orleans and sold them, instead, the entire Louisiana Territory, using the millions from that sale to build his army. Any other monarch would have kept the land and borrowed money, from the leeches, for war." ⏎ ⏎ "Napoleon has been dead a long time," Mastroianni said. "And the world has changed. Credit _is_ today's economy." ⏎ ⏎ "That's not true. You see, Robert, what Napoleon learned fr
Facts & Trivia = -1.69	**Facts & Trivia** = -0.52	**Facts & Trivia** = 0.62	**Facts & Trivia** = 1.83
... te che nessuno utilizzerà o da cui nessuno trarrà profitto non sarebbe un atto umano; gli verrebbe a mancare l'«essenza», la dimensione spirituale, l'anima, la preghiera di accompagnamento (non necessariamente un mantra); ma potrebbe esprimere il desiderio di contribuire al benessere dei nostri vicini e alla felicità dei nostri simili, o un idea le che mira a migliorare la qualità della vita umana attorno a noi. Quando lo spirito di preghiera non permea l'azione, l'atto degenera a livello subontico. ⏎ ⏎ Le pagine seguenti servono da introduzione alla vita di orazione, che per millenni ha nutrito una parte considerevole dell'umanità nella sua ricerca della felicità e del senso ultimo della vita. ⏎ ⏎ Due sono le pratiche che si potrebbero suggerire. Una è il silenzio e la calma totale, il vuoto e il nulla, l'eliminazione attiva di tutti gli ostacoli per lasciare che lo Spirito operi liberamente: è il cammino della libertà assoluta che implica persino la libertà dall'essere. Nessuna parola è ammessa in quanto altererebbe l'esperienza e	... stubbornly, and Talon forced the words out. "Have you never been proud of me? Did I never make a difference?" ⏎ ⏎ The older man's jaw tightened until it was a white line against his weathered complexion. Drovic could not afford either pride or the approval Talon sought. The goal, Drovic told himself harshly. In the end, it was the goal, not the men, that counted. But before Talon's icy gaze, Drovic suddenly felt old, as if the goal itself had worn thin. ⏎ ⏎ Talon gritted his teeth at the older man's silence. No pride in the weakling, he told himself. What had he expected? It struck him that surely there had been at least one healer willing to help a wounded man—healers had their own vows to save lives. So why had they been forced to heal him? Was it the side effects of the medicine? Was it more than a painkiller, more than a healing drug? Did Drovic hope it kept him subservient? Because the longer he had drunk that vile mix, the more he became impatient, enraged. It was only in the past few days, without the herbs, as the gray fog g	... Lou Gehrig, N.Y. Yankees, 1927	47	52 ⏎ ⏎ Lou Gehrig, N.Y. Yankees, 1930	41	42 ⏎ ⏎ Lou Gehrig, N.Y. Yankees 1934	49	40 ⏎ ⏎ Hal Trosky, Cle. Indians, 1936	42	45 ⏎ ⏎ Hank Greenberg, Det. Tigers, 1937	40	49 ⏎ ⏎ Hank Greenberg, Det. Tigers, 1940	41	50 ⏎ ⏎ Albert Belle, Cle. Indians, 1995	50	52 ⏎ ⏎ Albert Belle, Chi. White Sox, 1998	49	48 ⏎ ⏎ Juan Gonzalez, Tex. Rangers, 1998	45	50 ⏎ ⏎ Shawn Green, Tor. Blue Jays, 1999	42	45 ⏎ ⏎ Frank Thomas, Chi. White Sox, 2000	43	44 ⏎ ⏎ Carlos Delgado, Tor. Blue Jays, 2000	41	57 ⏎ ⏎ Manny Ramirez, Bost. Red Sox, 2004	43	44 ⏎ ⏎ David Ortiz, Bost. Red Sox, 2004	41	47 ⏎ ⏎ David Ortiz, Bost. Red Sox, 2005	47	40 ⏎ ⏎ Mark Teixeira, Tex. Rangers, 2005	43	41 ⏎ ⏎ Miguel Cabrera, Det. Tigers, 2012	44	40 ⏎ ⏎ Chris Davis, Balt. Orioles, 2013	53	42 ⏎ ⏎ Josh Donaldson, Tor. Blue Jays, 2015	41	41 ⏎ ⏎ National League (Post-1900) ⏎ ⏎	⏎ ⏎ Home Runs	Doubles ⏎ ⏎ Rogers Hornsby, St.L. Cardinals, 1922	42	46 ⏎ ⏎	... Adams and George Wunderlich use the word _vertical_ as a synonym for _back-to-front_ and _horizontal_ for _side-mounted_. ⏎ ⏎ 41. The term _down-picking_ was coined in the 1960s by modern old-time banjoist Art Rosenbaum "in order to avoid ridiculous arguments about where 'frailing' leaves off and 'clawhammering' begins" (Art Rosenbaum, _The Art of the Mountain Banjo_ [Mel Bay, 1999], 6). For further discussions of down-picking techniques, see in this volume Pestcoe's chapter "The Banjar Pictured" and Greg C. Adams and Chuck Levy's chapter comparing the West African Jola form of down-picking to nineteenth-century "Banjo Style." ⏎ ⏎ 42. Special thanks to Jayme Stone for sharing his findings from his field trip to Mali in 2007 on the previously unreported Dogon _konou_ and the technique used to play it. ⏎ ⏎ 43. See David W. Ames and Anthony V. King, _Glossary of Hausa Music and Its Social Contexts_ (Evanston, IL: Northwestern University Press, 1971) for the technique used to play the _gurmi_ (44) and the _molo_ (46). ⏎ ⏎ 44. Fra
Educational Value = -1.46	**Educational Value** = -0.51	**Educational Value** = 0.50	**Educational Value** = 1.71
... the curve, roared down the hill, rattling over a narrow plank bridge laid over a dry creek bed. It turned a corner and was gone. ⏎ ⏎ Oh, ouch. That knee had already taken a lot of abuse. ⏎ ⏎ Bruno pulled her to her feet and tried to hug her, the sneaky son of a bitch, but she was in freak-out mode, arms windmilling, tottering on the useless shoes. She pitched and swayed in the gusts of wind. ⏎ ⏎ "Calm down," he was repeating, over and over, his tone pleading. "Calm down. Just calm down. This is a safe place." ⏎ ⏎ He looked worried, scared, gorgeous. She tried to breathe. Safe place, her milk white ass. She laughed so hard it started her crying. He ended up hugging her, and she was too far gone to fight him off. ⏎ ⏎ "I just can't be in a place like this," she gasped out. "I'll go crazy." ⏎ ⏎ He glanced around at the terrifying, appalling nothing around them. Trees, bugs, rocks, sky. "What's this?" he asked. "A place that's wild, clean? Safe? What the fuck is not to like about this place?" ⏎ ⏎ "The reason I've survived is bec	... _Chandos_ and its size, see Richard Lockwood to John Stewart and Jonathan Perrie, June 25, 1725, CO 137/15, fols. 150r, NA. For the _Salisbury_ and tastings, see Deposition of Second Mate George Stewart, May 2, 1724, CO 137/15, fols. 166r–169r(a), NA. For the duty paid, see Deposition of William Strother, May 2, 1724, CO 137/15, fols. 171r–174r. For the tastings, see the Deposition of William Townsend, May 2, 1724, CO 137/15, fol. 180, NA. ⏎ ⏎ 10. Henry Bentinck, Duke of Portland, to the Council of Trade and Plantations, July 13, 1724, CO 137/15, fols. 1–3v, NA; Motion against the Ship _Chandos_, Mar. 26, 1724, CO 137/15, fol. 105, NA; Minutes, Vice Admiralty Court, Saint Jago Dela Vega, Jamaica, Apr. 28, 1724, CO 137/15, fols. 156–157, NA. ⏎ ⏎ 11. Depositions of Phineas Frognall, Charles Windebank, Robert Thompson, John Lee, and William Potter, Apr. 8, 1727, CO 28/44, fols. 386v–387, NA; J[onathan] Blenman to Henry Lascelles, Apr. 15, 1727, CO 28/44, fols. 397–398, NA. On the ship's ports of call, see Anthony Farrington, _Catalog	... nd Harold D. Roth, trans. and eds., _The "Huainanzi": A Guide to the Theory and Practice of Government in Early Han China_ (New York: Columbia University Press, 2010), 128–29; and D. C. Lau, ed., _Huainanzi zhuzi suoyin_ (_A Concordance to the "Huainanzi"_), Chinese University of Hong Kong, Institute of Chinese Studies Ancient Chinese Text Concordance Series (Hong Kong: Commercial Press, 1992), 3/23/20–23. The _Huainanzi_ passage does not refer directly to the Five Phases, but to five of the Heavenly Stems of the sexagenary cycle: _jia_ , _bing_ , _wu_ , _geng_ , and _ren_. But because these Heavenly Stems are correlated with the Five Phases (_jia_ with Wood, _bing_ with Fire, _wu_ with Earth, _geng_ with Metal, and _ren_ with Water), the net effect is the same. ⏎ ⏎ 2. _Xianliang_ 賢良 was a recommendation category for men nominated by local officials to be considered at the capital for selection and appointment to government posts, as defined in Charles O. Hucker, _A Dictionary of Official Titles in Imperial China_ (Stanford	... sure is exerted by a ratchet gear and wooden plates, squeezing more juice from the grapes. ⏎ ⏎ One great thing about manual basket presses is that you probably can't press hard enough that you extract the harsh compounds and flavors you don't want in your wine. ⏎ ⏎ The basic steps in pressing crushed white grapes go like this: ⏎ ⏎ 1. Check that all the parts of the press that come in contact with the grapes and juice are as clean as possible. ⏎ ⏎ Rinse and scrub the metal base, the wooden slats, the wooden half-moons that go on top of the grapes, and the central pole on which the ratchet sits, as needed. ⏎ ⏎ 2. Place the metal base on flat ground or on the floor and assemble the press: ⏎ ⏎ Figure 5-2 shows a dissembled press and its parts. ⏎ ⏎ · Secure the ratchet pole with a large nut underneath the base. ⏎ ⏎ · Center the slats around the ratchet pole. ⏎ ⏎ · Insert the short metal pins into the brackets on the outside of the slats. ⏎ ⏎ Make sure that the juice can flow to the lip of the base and drain off into a c
Required Expertise = -1.17	**Required Expertise** = -0.36	**Required Expertise** = 0.56	**Required Expertise** = 1.52
... des, Philip is well-known here," said Mrs Inglis. ⏎ ⏎ "I am not sure that it is a better place for me because of that, Aunt ⏎ Mary; but it is as good a place as any, I suppose, in which to begin ⏎ with a small capital." ⏎ ⏎ "Pooh! about capital! The only men in the country worth their salt ⏎ began life without a dollar. Which of us has capital? And we are all ⏎ bound to be rich men before we die," said Jem. ⏎ ⏎ "Yes, I dare say. If I were a boy of fifteen, I might say the same," ⏎ said Philip, with a sigh. ⏎ ⏎ "Hear him! You would think him fifty, at least. And if you mean me," ⏎ said Jem loftily, "I am nearly seventeen. I only wish I were ⏎ twenty-three, with the world before me." ⏎ ⏎ They all laughed at his energy. ⏎ ⏎ "There is no hurry, Jem. You will need all the years that are before ⏎ you. Violet, put away your work, and play, and the children will sing." ⏎ ⏎ Violet rose and opened the piano, and there was no more said at that ⏎ time. While the children were singing, David went out, and, in a ⏎ little, called	... d a great ⏎ deal of business, and was possessed of a good private fortune besides. ⏎ Flora was secretly engaged to Lieutenant Arnold--secretly, that is to ⏎ say, the engagement had not been declared, though everybody was aware ⏎ of it. It might be a tolerable match when he became a captain, but it ⏎ would probably be a dozen years or more before he obtained his company. ⏎ They were both young, however, and time flies rapidly, as everybody ⏎ knows, so they consoled themselves with hope. ⏎ ⏎ The family were sitting in an arbour in the garden, as they often did ⏎ in summer; Arnold had brought a new novel which he had just commenced ⏎ reading aloud to them. The ladies--their number increased by the ⏎ addition of two cousins, who frequently visited them--sat round the ⏎ table with their work, exceedingly interested in the novel, which began ⏎ 'so charmingly,' and promised to be 'so interesting,' when Arnold ⏎ happened to look up, and glancing along the garden-walk, exclaimed, ⏎ ⏎ 'May I be shot, if stalking towards us yonder is not--yes	... Devine, _The Scottish Nation 1700–2000_ , pp. 550–51 ⏎ ⏎ Angus Calder, _The People's War_ , p. 342 ⏎ ⏎ Tom McKendrick, 'The Clydebank Blitz', tommckendrick.com/code/blitzpage1.html, accessed 17 May 2013 ⏎ ⏎ 'Greenock Corporation and the Blitz', _WW2 – A People's War_ , 23 March 2004, bbc.co.uk/history/ww2peopleswar/stories/34/a2453834.shtml, accessed 26 November 2012 ⏎ ⏎ Angus Calder, _The People's War_ , p. 457 ⏎ ⏎ Richard Croucher, _Engineers At War 1939–1945_ , p. 85 ⏎ ⏎ Ibid., pp. 102–4 ⏎ ⏎ Nina Fishman, _The British Commnist Party and the Trade Unions 1933–1945_ , pp. 317–18 ⏎ ⏎ Transcript of interview with Agnes McLean, _A People's War_ (Thames TV / Channel 4), pp. 4–10, 21–25, keele.ac.uk/history/currentundergraduates/tltp/WOMEN/SUMMERFI/TEXT/SUMER263.HTM#Title, accessed 2 October 2012 ⏎ ⏎ Penny Summerfield, 'Women and War in the Twentieth Century', in June Pervis (ed.), _Women's History: Britain 1850–1945_ , Routledge, 1995, p. 274 ⏎ ⏎ Geoffrey G. Field, _Blood, Sweat, and Toil: Remaking the British Working Class,	... y a limited number of readers." In 1953, Irving Kristol rejected the Ford Foundation–sponsored journal _Perspectives USA_ as a model, calling it "miserable," a "fiasco," and an "awful example" with "no effect whatsoever." _Preuves_ had proven itself successful and was distributed in Britain; Scott-Smith notes that by late 1951 it was "a fully fledged cultural review modeled on the format and outlook of _Der Monat_ and with the aim of being more comparable in style to _The Nation_ and _The Spectator_." Intelligence and psychological-warfare officials in Washington liked _Der Monat_ , which had "a definite impact [on] the relatively limited German intelligentsia who are concerned with basic political and philosophical issues" and had "caused worry and unhappiness to the communist party in Germany." (A member of the OCB also responded positively to a proposal to fund _Confluence_ , a cultural and political journal headed by an ambitious young Harvard graduate student named Henry Kissinger, but Kristol said flatly, "I don't think I can

Table 9. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **StackExchange**. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 6.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -2.36	**Writing Style** = -1.74	**Writing Style** = -1.13	**Writing Style** = -0.23
... Весь код: ⏎ from selenium import webdriver ⏎ from selenium.webdriver.support.ui import WebDriverWait ⏎ from selenium.webdriver.support import expected_conditions as EC ⏎ from selenium.webdriver.common.by import By ⏎ ⏎ chrome = webdriver.Chrome() ⏎ chrome.get("https://bigjpg.com/") ⏎ # assert 'Bigjpg - Средство увеличения / увеличения масштабирования без увеличения изображения AI с высоким разрешением с использованием глубоких сверточных нейронных сетей' in chrome.title ⏎ fileInput = chrome.find_element(By.CSS_SELECTOR, 'input[type=file]') ⏎ filePath = r"C:\Users\user\Videos\Little_Women_1\Little_Women_1_000001.jpg" ⏎ fileInput.send_keys(filePath) ⏎ # click on start button ⏎ chrome.find_element(By.CSS_SELECTOR, 'button.btn.btn-sm.btn-primary.big_begin').click() ⏎ # click on radio-button - 4x ⏎ chrome.find_element(By.CSS_SELECTOR, 'input[type="radio"][name="x2"][value="2"]').click() ⏎ # click on radio-button - last noise element ⏎ chrome.find_element(B	... heet2/Column A) and paste it on Sheet3/Column A --> using the same format. ⏎ Here's the (CORRECT) Sample Information List (Sheet2/Column A): ⏎ N1*PEELMHURST CENTERXX*454545457 ⏎ N1*PECOOPERXX*123457777 ⏎ So, in the result should be: ⏎ In Sheet3/Column A... ⏎ EDI DEPARTMENT*TE*2658018518~N1*PE* ELMHUR ⏎ ST CENTER*XX*454545457~N4*GREAT NECK*NY*11023 ⏎ N1*PECOOPERXX*123457777~N4*NEW YORK*NY*10077-5281~REF*TJ*133988001~LX*7111~ ⏎ The Code below is incomplete. As it can only copy and paste on Sheet2 Column A. ⏎ Option Explicit ⏎ ⏎ ⏎ Public Sub Transfer() ⏎ ⏎ Dim lngRow As Long, lngWriteRow As Long, strTemp As String ⏎ ⏎ Dim shtRaw As Worksheet, shtNew As Worksheet ⏎ ⏎ ' Initialize ⏎ lngWriteRow = 1 'The row we're writing to ⏎ ⏎ Set shtRaw = Sheets("Sheet1") 'The raw data worksheet ⏎ ⏎ Set shtNew = Sheets("Sheet2") 'The sheet with the concatenated text ⏎ ⏎ For lngRow = 1 To shtRaw.UsedRange.Rows.Count ⏎ ⏎ If InStr(1, shtRaw.Cells(lngRow, 1), "N1*PE*", vbTextCompare) > 0 Then ⏎ ⏎ '	... my head around how to initialize the control once I have the template working (Which, I pretty much do at this point I think) ⏎ link: function(scope, element, attr) { ⏎ attr.$observe('dpid', function(value) { ⏎ if(value) { ⏎ $('#' + scope.dpid).datetimepicker({ ⏎ language: 'en', ⏎ pick12HourFormat: true ⏎ }); ⏎ } ⏎ ⏎ When I put that in the link directive, it does nothing. I don't even see any errors. scope.dpid is indeed showing the ID of the control so I thought it would work. But alas, my febble understanding of javascript tells me that I am outside of the scope or some such nonsense where I cannot access the element. ⏎ Once I get that going, I am not exactly sure how to make this data accessible in forms either. ⏎ Any help is greatly appreciated. ⏎ Update ⏎ Got the basic bit working, now I need to know how to get the data from the new control into my controller. Here is a link to the new jsfiddle updated. ⏎ http://jsfiddle.net/tmZDY/1/ ⏎ Update 2 ⏎ I thi	... at equity is required for a player to offer the cube (offer to double the game's stakes)? ⏎ How is that calculated? We don't know whether the cube 's recipient will accept or not. ⏎ I start the same as question 1: The giver will double when his expected value of doubling is greater than his EV of not doubing (duh!). If $EV(rolling)$ is $p-(1-p)$, and $EV(doubling)$ is $2p-2(1-p)$, then ⏎ $E(doubling) > E(rolling) \\ ⏎ 2p-2(1-p) > p-(1-p) \\ ⏎ p > .5$ ⏎ Which can't possibly be correct. While I'm not BG expert, I did used to play for (small amounts) of money in NYC. There is no way in heck that I would double with 51% chances. ⏎ OK, that's all I got. How do we figure this out? ⏎ Thanks. ⏎ ⏎ A: Let's assume that you and your opponent are master analysts, so both of you always know the equity exactly. It's a full-information game anyway. ⏎ I think the reason why you wouldn't double with a 51% advantage is that after you double, you lose the right do double again, until your opponent has reodubled. ⏎ If you double with a 51% advantage, the
Facts & Trivia = -2.22	**Facts & Trivia** = -1.60	**Facts & Trivia** = -0.88	**Facts & Trivia** = -0.06
... ontent-manager/content-types (23 ms) 200 ⏎ 2020-11-10 15:25:49 default[20200930t185305] "GET /content-manager/content-types HTTP/1.1" 200 ⏎ 2020-11-10 15:25:49 default[20200930t185305] [2020-11-10T15:25:49.432Z] debug GET /content-manager/content-types (25 ms) 200 ⏎ 2020-11-10 15:25:49 default[20200930t185305] "GET /admin/webhooks HTTP/1.1" 200 ⏎ 2020-11-10 15:25:49 default[20200930t185305] "GET /admin/cc1d824d8f006f0a47c72638f4ce0376.png HTTP/1.1" 200 ⏎ 2020-11-10 15:25:49 default[20200930t185305] "GET /admin/e631d2735799aa943d93d301abf423d2.ttf HTTP/1.1" 500 ⏎ 2020-11-10 15:25:49 default[20200930t185305] "GET /admin/57d69e1d4ce0cc10ace9264b4af92cf1.ttf HTTP/1.1" 500 ⏎ 2020-11-10 15:25:49 default[20200930t185305] "GET /admin/2d36b1a925432bae7f3c53a340868c6e.ttf HTTP/1.1" 500 ⏎ 2020-11-10 15:25:49 default[20200930t185305] "GET /admin/85d339d916479f729938d2911b85bf1f.ttf HTTP/1.1" 200 ⏎ 2020-11-10 15:25:49 default[20200930t185305] [2020-11-10T15:25:49.581Z] debug GET cc1d824d8f006f0a47c72638f4ce0376.png (6 ms) 200 ⏎ 2020-11-	... /> ⏎ <blank8/> ⏎ <Clr/> ⏎ <blank9/> ⏎ <Split>MCM BofA Checking</Split> ⏎ <blank10/> ⏎ <Amount>39.89</Amount> ⏎ <blank11/> ⏎ <Balance>252.97</Balance> ⏎ </Transaction> ⏎ <Transaction> ⏎ <Header1/> ⏎ <Header2/> ⏎ <Header3/> ⏎ <Header4/> ⏎ <Header5/> ⏎ <Header6/> ⏎ <blank1/> ⏎ <blank2/> ⏎ <Type>Check</Type> ⏎ <blank3/> ⏎ <Date>2017-05-22</Date> ⏎ <blank4/> ⏎ <Num/> ⏎ <blank5/> ⏎ <Name>Network Solutions</Name> ⏎ <blank6/> ⏎ <Memo/> ⏎ <blank7/> ⏎ <Class/> ⏎ <blank8/> ⏎ <Clr/> ⏎ <blank9/> ⏎ <Split>MCM BofA Checking</Split> ⏎ <blank10/> ⏎ <Amount>5.98</Amount> ⏎ <blank11/> ⏎ <Balance>258.95</Balance> ⏎ </Transaction> ⏎ <Transaction> ⏎ <Header1/> ⏎ <Header2/> ⏎ <Header3/> ⏎ <Header4/> ⏎ <Header5/> ⏎	... other post on stackoverflow. ⏎ Which is will show below. ⏎ mms_connect(NULL, NULL, g_tcUrl.av_val, g_hostname.av_val, g_playpath.av_val, "", g_port, 128*1024) ⏎ ⏎ Note: ⏎ NSString* strTemp; ⏎ strTemp = @"mms://123.30.49.85/htv2"; ⏎ // strTemp = @"mms://212.58.251.92/wms/bbc_ami/radio1/radio1_bb_live_int_eq1_sl0"; ⏎ g_tcUrl.av_val = new char[[strTemp length] + 1]; ⏎ [strTemp getCString:g_tcUrl.av_val ⏎ maxLength:([strTemp length]+1) ⏎ encoding:NSUTF8StringEncoding]; ⏎ g_tcUrl.av_len = strlen(g_tcUrl.av_val); ⏎ // strTemp = @"212.58.251.92"; ⏎ strTemp = @"123.30.49.85"; ⏎ g_hostname.av_val = new char[[strTemp length]+1]; ⏎ [strTemp getCString:g_hostname.av_val ⏎ maxLength:([strTemp length]+1) ⏎ encoding:NSUTF8StringEncoding]; ⏎ g_hostname.av_len = strlen(g_hostname.av_val); ⏎ //strTemp = @"/wms/bbc_ami/radio1/radio1_bb_live_int_eq1_sl0"; ⏎ strTemp = @"/htv2"; ⏎ g_playpath.av_val = new char[[strTemp length] + 1]; ⏎ [strTemp getCString:g_playpath.av_val ⏎ m	... of harmonic functions in ${\mathbb{{R}}}^{{{2}}}$. Admittedly, none would be guaranteed to correspond with analytic functions let alone approximate a desired function ${f{{\left({z}\right)}}}$ within a sufficiently small error bound. ⏎ Next, I considered the viability of taking a Fourier decomposition of the real and imaginary components separately, which could be superposed to recover the original function. While this approach merits consideration for sufficiently simple functions, I noticed that it would fail for cases where separability is more enigmatic. For an example, I turn to the Schwarz-Christoffel transform. ⏎ $${f{{\left({z}\right)}}}={\int_{{{z},{{{0}}}}^{{{z}}}\frac{{{A}{\left.{d}{z}\right.}}}{{{\prod_{{{j}={1}}}^{{{n}}}{\left({z}-{x}_{{{j}}}\right)}^{{{k}_{{{j}}}}}}}+{B}$$ ⏎ In the above, ${A},{B}\in{\mathbb{{{C}}}}$ are both taken to be constants. Given the integral representation of the formula, I find that it would present a particular challenge to separate the components for an arbitrary choice of ${x}_{{{j}
Educational Value = -2.23	**Educational Value** = -1.03	**Educational Value** = -0.00	**Educational Value** = 1.02
... nda shoreditch et. Nihil anim keffiyeh helvetica, craft beer labore wes anderson cred nesciunt sapiente ea proident. Ad vegan excepteur butcher vice lomo. Leggings occaecat craft beer farm-to-table, raw denim aesthetic synth nesciunt you probably haven't heard of them accusamus labore sustainable VHS. ⏎ <!--/.panel-body --> ⏎ <!--/.panel-collapse --> ⏎ <!-- /.panel --> ⏎ <!-- /.panel-group --> ⏎ ⏎ ⏎ <!-- nested --> ⏎ ⏎ ⏎ <!--/.panel-body --> ⏎ <!--/.panel-collapse --> ⏎ <!-- /.panel --> ⏎ ⏎ ⏎ ⏎ < h4 class="panel-title"> ⏎ ⏎ Collapsible Group Item #3 ⏎ ⏎ </h4> ⏎	... ata that will eventually exceed my specified range. ⏎ P.S. I have also noticed that if the commodity has PO NOs that are within my selected range but also PO NOs with costs outside of it, this query will give me those within the selected range which is very misleading since it is still a commodity that will be outside the selected range if it were all calculated. They shouldn't be listed into the results at all with the commodities that are truly within my selected range. ⏎ ALTER PROCEDURE [dbo].[POreport] (⏎ @Param1 INT ⏎ ,@Param2 INT ⏎ ,@Param3 INT ⏎) ⏎ AS ⏎ BEGIN ⏎ SET NOCOUNT ON; ⏎ ⏎ SELECT DISTINCT ROW_NUMBER() OVER (⏎ ORDER BY T.Product_ID ⏎ ,T.PO_NO ⏎ ,T.LINE_NO ⏎) AS [RowID] ⏎ ,ISNULL(T.PRODUCT_ID, 'NULL') AS [Commodity] ⏎ ,ISNULL(T.PO_NO, 'NULL') AS [PO NO] ⏎ ,ISNULL(T.LINE_NO, 'NULL') AS [LINE NO] ⏎ ,QUOTENAME(T.DESCRIPTION, '"') AS [PO Line Description] ⏎ ,QUOTENAME(C.DESCRIPTION, '"') AS [Commodity Description]	... The program is GLock Softwares Advanced E-Mail Verifier Pro, it costs $99 which is cheap for the job it does. ⏎ IMHO it is better not generate the NDR's in the first place than have to deal with them. ⏎ ⏎ A: It depends a lot on what you're using for a mailer. From your other question I'm thinking you don't know what that is exactly. If you know you'll be dealing with a lot of non-delivery-reports (NDRs in email lingo) then set your From: address to be a mailbox that can grow to very large sizes. Then you can presumably go through that and weed out the bad addresses from your list. Depending on what your mailer is, you may have more options then that, though. ⏎ ⏎ A: There is Javascript ASP source at CoverYourASP with a link to a descriptive article. ⏎ This Hacked article may also be good reading. ⏎ ⏎ A: nice easy perl module to cover that: Email::Valid ⏎ "This module determines whether an email address is well-formed, and optionally, whether a mail host exists for the domain." ⏎ It does not however test that its deliverable by any me	... is willing to accept. The objective here is to get such large sets working with queries against Oracle 11gR2 via ODP.NET. ⏎ This task is complicated somewhat by the following approaches being deemed unacceptable by those setting the requirements: ⏎ ⏎ ⏎ * ⏎ ⏎ *Global Temporary Tables ⏎ ⏎ *Stored procedures ⏎ ⏎ *Anything requiring CREATE TYPE to have been executed ⏎ ⏎ ⏎ The solution to this is not required to execute only one query. ⏎ I'm trying to make this work by binding the clause as an array, using code sourced from elsewhere: ⏎ IList<string> values; ⏎ ⏎ //... ⏎ ⏎ OracleParameter parameter = new OracleParameter(); ⏎ parameter.ParameterName = "parm"; ⏎ parameter.DbType = DbType.String; ⏎ parameter.Value = values.ToArray(); ⏎ int[] sizes = new int[values.Count]; ⏎ for (int index = 0; index < values.Count; index++) ⏎ { ⏎ sizes[index] = values[index].Length; ⏎ } ⏎ parameter.ArrayBindSize = sizes; ⏎ ⏎ //... ⏎ ⏎ The command subsequently executes without throwing an exception, but the value returned for COUNT is zero
Required Expertise = -1.66	**Required Expertise** = -0.69	**Required Expertise** = 0.12	**Required Expertise** = 1.13
... *** 2022/04/25 14:22:02.743 20973 20973 Info ViewRootImpl@ffab79b[UnityPlayerActivity] ViewPostIme pointer 1 ⏎ 2022/04/25 14:22:02.743 20973 20997 Error CRASH Version '2020.3.26f1 (7298b473bc1a)', Build type 'Development', Scripting Backend 'mono', CPU 'armeabi-v7a' ⏎ 2022/04/25 14:22:02.743 20973 20997 Error CRASH Build fingerprint: 'samsung/gts7xlwifixx/gts7xlwifi:12/SP1A.210812.016/T970XXU2CVCE:user/release-keys' ⏎ 2022/04/25 14:22:02.743 20973 20997 Error CRASH Revision: '6' ⏎ 2022/04/25 14:22:02.743 20973 20997 Error CRASH ABI: 'arm' ⏎ 2022/04/25 14:22:02.743 20973 20997 Error CRASH Timestamp: 2022-04-25 14:22:02-0400 ⏎ 2022/04/25 14:22:02.744 20973 20997 Error CRASH pid: 20973, tid: 20997, name: UnityMain >>> com.DefaultCompany.HeavyDescent <<< ⏎ 2022/04/25 14:22:02.744 20973 20997 Error CRASH uid: 10785 ⏎ 2022/04/25 14:22:02.744 20973 20997 Error CRASH signal 11 (SIGSEGV), code 1 (SEGV_MAPERR), fault addr 0x0 ⏎ 2022/04/25 14:22:02.744 20973 20997 Error CRASH Cause	... ⏎ Code Type: ARM-64 (Native) ⏎ Role: Foreground ⏎ Parent Process: launchd [1] ⏎ ⏎ ⏎ Date/Time: 2016-11-22 08:24:59.7336 -0500 ⏎ Launch Time: 2016-11-21 13:45:09.9956 -0500 ⏎ OS Version: iPhone OS 10.1.1 (14B100) ⏎ Report Version: 104 ⏎ ⏎ Exception Type: EXC_CRASH (SIGABRT) ⏎ Exception Codes: 0x0000000000000000, 0x0000000000000000 ⏎ Exception Note: EXC_CORPSE_NOTIFY ⏎ Triggered by Thread: 0 ⏎ ⏎ Application Specific Information: ⏎ abort() called ⏎ ⏎ Filtered syslog: ⏎ None found ⏎ ⏎ Last Exception Backtrace: ⏎ (0x18953e1c0 0x187f7855c 0x18953e108 0x18f89359c 0x18f6f4444 0x18f4c653c ⏎ 0x18f391d48 0x18f391c78 0x18f44bb10 0x18f44aec0 0x18f44a90c 0x18f44a4c0 ⏎ 0x18f44a424 0x18f38f220 0x18c84f188 0x18c843e64 0x18c843d24 0x18c7c07ec ⏎ 0x18c7e7c58 0x18c7e8678 0x1894eb7dc 0x1894e940c 0x1894e989c 0x189418048 ⏎ 0x18ae9e198 0x18f3fd2fc 0x18f3f8034 0x10002304c 0x1883fc5b8) ⏎ ⏎ Thread 0 name: Dispatch queue: com.apple.m	... 2_begin++; ⏎ i2++; ⏎ } ⏎ } ⏎ while (i1 < src1_size) { ⏎ out << *src1_begin << std::endl; ⏎ src1_begin++; ⏎ i1++; ⏎ } ⏎ while (i2 < src2_size) { ⏎ out << *src2_begin << std::endl; ⏎ src2_begin++; ⏎ i2++; ⏎ } ⏎ } ⏎ ⏎ The problem is that I get a warning message at line ("comparison of integers of different signs") : ⏎ if (*src1_begin <= *src2_begin) { ⏎ ⏎ Here is a use case : ⏎ template <typename T, typename S> ⏎ void MergeSomething(const list<T>& src1, const vector<S>& src2, ostream& out) { ⏎ Merge(src1.cbegin(), src1.cend(), src2.cbegin(), src2.cend(), out); ⏎ } ⏎ ⏎ int main() ⏎ { ⏎ vector<int> v2{65, 75, 85, 95}; ⏎ set<unsigned> my_set{20u, 77u, 81u}; ⏎ ⏎ cout << "Merging set and vector:"sv << endl; ⏎ MergeSomething(my_set, v2, cout); ⏎ } ⏎ ⏎ Is there any solution for it? ⏎ How can I silence the warning, given that I am certain that the comparison is actually ok? ⏎ ⏎ A: If you're sure that both containers contain values	... onality, for instance this or this, but it's still good to have a quick "you are here" map when getting started. ⏎ I plan on updating this post, and hope to get help correcting mistakes. ⏎ One-way ANOVA: ⏎ Structure: DV is continuous; IV is ONE FACTOR with different LEVELS. ⏎ Scenario: miles-per-gal. vs cylinders ⏎ Note that Income vs Gender (M, F) is a t-test. ⏎ Syntax: fit <- aov(mpg ~ as.factor(cyl), data = mtcars); summary(fit); TukeyHSD(fit) ⏎ Regression: fit <- lm(mpg ~ as.factor(cyl), mtcars) ⏎ # with F dummy coded; ⏎ summary(fit); anova(fit) ⏎ ⏎ ⏎ Two-way ANOVA: ⏎ Structure: DV is continuous; IV is > 1 FACTORS with different LEVELS. ⏎ Scenario: mpg ~ cylinders & carburators ⏎ Syntax: fit <- aov(mpg ~ as.factor(cyl) + as.factor(carb), mtcars); ⏎ summary(fit); TukeyHSD(fit) ⏎ Regression: fit <- lm(mpg ~ as.factor(cyl) + as.factor(carb), mtcars) ⏎ # with F dummy coded; ⏎ summary(fit); anova(fit) ⏎ ⏎ ⏎ Two-way Factorial ANOVA: ⏎

Table 10. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **Github**. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 6.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -2.28	**Writing Style** = -1.76	**Writing Style** = -1.30	**Writing Style** = -0.80
`... /Account;->name:Ljava/lang/String; ⏎ ⏎ aput-object v0, v4, v6 ⏎ ⏎ iget-object v0, p2, Landroid/accounts/Account;->type:Ljava/lang/String; ⏎ ⏎ aput-object v0, v4, v7 ⏎ ⏎ move-object v0, p1 ⏎ ⏎ move-object v6, v5 ⏎ ⏎ move-object v7, v5 ⏎ ⏎ invoke-virtual/range {v0 .. v7}, Landroid/database/sqlite/SQLiteDatabase;->query(Ljava/lang/String;[Ljava/lang/String;Ljava/lang/String;[Ljava/lang/String;Ljava/lang/String;Ljava/lang/String;)Landroid/database/Cursor; ⏎ ⏎ move-result-object v8 ⏎ ⏎ .line 2470 ⏎ .local v8, cursor:Landroid/database/Cursor; ⏎ :goto_0 ⏎ :try_start_0 ⏎ invoke-interface {v8}, Landroid/database/Cursor;->moveToNext()Z ⏎ ⏎ move-result v0 ⏎ ⏎ if-eqz v0, :cond_0 ⏎ ⏎ .line 2471 ⏎ const/4 v0, 0x0 ⏎ ⏎ invoke-interface {v8, v0}, Landroid/database/Cursor;->getString(I)Ljava/lang/String; ⏎ ⏎ move-result-object v9 ⏎ ⏎ .line 2472 ⏎ .local v9, tmpkey:Ljava/lang/String; ⏎ const/4 v0, 0x1 ⏎ ⏎ invoke-interface {v8, v0}`	`... yForm.application.$error"> ⏎ {{ 'APP.ENTRIES.FORM.LABEL.VALIDATION.APPLICATION.REQUIRED' \| translate }} ⏎ {{ 'APP.ENTRIES.FORM.LABEL.VALIDATION.APPLICATION.MINLENGTH' \| translate }} ⏎ {{ 'APP.ENTRIES.FORM.LABEL.VALIDATION.APPLICATION.MAXLENGTH' \| translate }} ⏎ {{ 'APP.ENTRIES.FORM.LABEL.VALIDATION.APPLICATION.PATTERN' \| translate }} ⏎ ⏎ </div> ⏎ </div> ⏎ <div class="form-group has-feedback" ⏎ ng-class="{'has-error': entryForm.scope.$invalid && !entryForm.scope.$pristine, ⏎ 'has-success': entryForm.scope.$valid && entryForm.scope.$dirty}"> ⏎ <label for="scope" class="control-label col-md-3"> ⏎`	`... ns', options); ⏎ ⏎ // if options is a string use default options and use string for logger name ⏎ let name ⏎ if (typeof options === 'string') { ⏎ name = options ⏎ options = {} ⏎ } ⏎ ⏎ if (_instance) { ⏎ return _instance ⏎ } ⏎ ⏎ Object.assign(_options, options) ⏎ ⏎ /** ⏎ * handle morgan ⏎ */ ⏎ if (_options.morgan && _options.morgan.app) { ⏎ let app = _options.morgan.app ⏎ let format = _options.morgan.format ⏎ ⏎ app.use(morgan(format, _options.morgan)) ⏎ } ⏎ ⏎ /** ⏎ * handle line ⏎ */ ⏎ if (_options.line !== false) { ⏎ if (typeof _options.line !== 'object') { ⏎ _options.line = {} ⏎ } ⏎ ⏎ _options.line.path = _options.line.path || __dirname ⏎ ⏎ log4jsextend(log4js, _options.line) ⏎ } ⏎ ⏎ log4js.getLogger('jsdebugger').level = _options.level ⏎ ⏎ // define default categories based on appenders ⏎ let categories = { ⏎ default: { ⏎ appenders: [], ⏎ level: 'ALL' ⏎ } ⏎ } ⏎ for (let appender in _options.appender`	`... ed to initialize the pseudorandom number generator. Should be ⏎ used for testing only. If the seed is None then the pseudorandom number ⏎ generator is seeded randomly and subsequent calls to this function ⏎ return unrelated results. ⏎ ⏎ Returns: ⏎ an integer in the range 0 .. 2**n - 1 ⏎ """ ⏎ raise NotImplementedError("must be implemented by subclass") ⏎ ⏎ class Urandom(Rng): ⏎ """A pseodorandom number generator using os.urandom. ⏎ ⏎ The results of this pseudorandom number generator should be indistinguishable ⏎ from random data. ⏎ """ ⏎ ⏎ def RandomBits(self, n: int, *, seed: Optional[int] = None) -> int: ⏎ """See base class.""" ⏎ del seed # Cannot seed os.urandom ⏎ ba = os.urandom((n + 7) // 8) ⏎ seq = int.from_bytes(ba, "little") ⏎ if n % 8 != 0: ⏎ seq >>= -n % 8 ⏎ return seq ⏎ ⏎ class Shake128(Rng): ⏎ """Uses SHAKE128 to generate pseudorandom bits. ⏎ ⏎ SHAKE128 is a cryptographically strong pseudorandom number generator. ⏎ It is defined`
Facts & Trivia = -2.19	**Facts & Trivia** = -1.52	**Facts & Trivia** = -0.98	**Facts & Trivia** = -0.47
`... tripMenuItem = new System.Windows.Forms.ToolStripMenuItem(); ⏎ this.editToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem(); ⏎ this.addSplineToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem(); ⏎ this.addSplinePointToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem(); ⏎ this.toolStripSeparator2 = new System.Windows.Forms.ToolStripSeparator(); ⏎ this.deleteSplineToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem(); ⏎ this.deleteSplinePointToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem(); ⏎ this.toolStripSeparator3 = new System.Windows.Forms.ToolStripSeparator(); ⏎ this.cameraPropertiesToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem(); ⏎ this.duplicateSplineToolStripMenuItem = new System.Windows.Forms.ToolStripMenuItem(); ⏎ this.toolStripSeparator4 = new System.Windows.Forms.ToolStripSeparator(); ⏎ this.toolStripSepar`	`... ; ⏎ import java.util.Collections; ⏎ import javax.inject.Inject; ⏎ import lombok.Getter; ⏎ import lombok.Setter; ⏎ import net.runelite.api.Client; ⏎ import net.runelite.api.GameState; ⏎ import net.runelite.api.ItemComposition; ⏎ import net.runelite.api.MenuAction; ⏎ import net.runelite.api.MenuEntry; ⏎ import net.runelite.api.events.ConfigChanged; ⏎ import net.runelite.api.events.FocusChanged; ⏎ import net.runelite.api.events.MenuEntryAdded; ⏎ import net.runelite.api.events.MenuOpened; ⏎ import net.runelite.api.events.MenuOptionClicked; ⏎ import net.runelite.api.events.PostItemComposition; ⏎ import net.runelite.api.events.WidgetMenuOptionClicked; ⏎ import net.runelite.api.widgets.WidgetInfo; ⏎ import net.runelite.api.widgets.WidgetItem; ⏎ import net.runelite.client.config.ConfigManager; ⏎ import net.runelite.client.game.ItemManager; ⏎ import net.runelite.client.input.KeyManager; ⏎ import net.runelite.client.menus.MenuManager; ⏎ import net.runelite.client.menus.WidgetMenuOption; ⏎ import net.runelite.client.plugins.Plugin; ⏎ import net.r`	`... empty) ⏎ val resp = requestEntity(GET, entityPath, paramMap) ⏎ new RestResult(resp.status, getTransactionId(resp), getRespData(resp)) ⏎ } ⏎ ⏎ /** ⏎ * Parses result of WskActivation.list to extract sequence of activation ids. ⏎ * ⏎ * @param rr run result, should be from WhiskActivation.list otherwise behavior is undefined ⏎ * @return sequence of activations ⏎ */ ⏎ def idsActivation(rr: RestResult): Seq[String] = { ⏎ rr.getBodyListJsObject.map(r => RestResult.getField(r, "activationId").toString) ⏎ } ⏎ ⏎ /** ⏎ * Gets activation logs by id. ⏎ * ⏎ * @param activationId the activation id ⏎ * @param expectedExitCode (optional) the expected exit code for the command ⏎ * if the code is anything but DONTCARE_EXIT, assert the code is as expected ⏎ */ ⏎ def activationLogs(activationId: String, expectedExitCode: Int = OK.intValue)(implicit wp: WskProps): RestResult = { ⏎ val path = Path(s"$basePath/namespaces/${wp.namespace}/$noun/$activationId/logs") ⏎ val resp = requestEntity(GET,`	`... nager - ServiceClient** dialog box, expand the **Projects** node, and then click **Solution**. ⏎ 9. In the projects list, point to **Common**, and then select the check box next to the project name. ⏎ 10. In the left pane, expand the **Assemblies** node, and then click **Framework**. Scroll down the assemblies list, point to the **System.ServiceModel** assembly, select the check box next to the assembly name, and then click **OK**. ⏎ ⏎ The reference was added to gain access to the service and data contracts and to the WCF client libraries. ⏎ ⏎ 11. In **Solution Explorer**, expand the **ServiceClient** project and double-click **Program.cs**. ⏎ 12. To the **using** section at the top of the file, add the following **using** directives. ⏎ ```cs ⏎ using HotelBooking; ⏎ using System.ServiceModel; ⏎ ``` ⏎ 13. At the beginning of the **Main** method, add the following lines of code before the commented code. ⏎ ⏎ ```cs ⏎ ChannelFactory<IHotelBookingService> serviceFactory = ⏎ n`
Educational Value = -2.06	**Educational Value** = -1.16	**Educational Value** = -0.41	**Educational Value** = 0.34
`... ::Icon" x="671" y="131" w="-1" h="-1" measuredW="48" measuredH="48" zOrder="11" locked="false" isInGroup="-1"/> ⏎ <control controlID="135" controlTypeID="com.balsamiq.mockups::Paragraph" x="396" y="452" w="416" h="27" measuredW="200" measuredH="80" zOrder="12" locked="false" isInGroup="-1"> ⏎ <controlProperties> ⏎ <text>Note%3A%20You%20cannot%20add%20rating%20to%20a%20skill.%20%0AThey%20are%20updated%20once%20you%20receive%20feedback%20on%20your%20task</text> ⏎ </controlProperties> ⏎ </control> ⏎ <control controlID="136" controlTypeID="com.balsamiq.mockups::BrowserWindow" x="249" y="0" w="746" h="524" measuredW="450" measuredH="400" zOrder="13" locked="true" isInGroup="-1"> ⏎ <controlProperties> ⏎ <text>A%20Web%20Page%0Ahttp%3A//teamflowy.com/users/project/task/%3Fid%3D3%26subtask%3Dcreate</text> ⏎ </controlProperties> ⏎ </control> ⏎ <control controlID="137" controlTypeID="com.balsamiq.mockups::TabBar" x="249" y="73" w="746" h="423" measuredW="287" measuredH="100" zO`	`... ALPHAMASK VERTEXCOLOR"); ⏎ ShaderVariation* alphaTexturePS = graphics_->GetShader(PS, "Basic", "ALPHAMAP VERTEXCOLOR"); ⏎ ⏎ unsigned alphaFormat = Graphics::GetAlphaFormat(); ⏎ ⏎ for (unsigned i = batchStart; i < batchEnd; ++i) ⏎ { ⏎ const UIBatch& batch = batches[i]; ⏎ if (batch.vertexStart_ == batch.vertexEnd_) ⏎ continue; ⏎ ⏎ ShaderVariation* ps; ⏎ ShaderVariation* vs; ⏎ ⏎ if (!batch.texture_) ⏎ { ⏎ ps = noTexturePS; ⏎ vs = noTextureVS; ⏎ } ⏎ else ⏎ { ⏎ // If texture contains only an alpha channel, use alpha shader (for fonts) ⏎ vs = diffTextureVS; ⏎ ⏎ if (batch.texture_->GetFormat() == alphaFormat) ⏎ ps = alphaTexturePS; ⏎ else if (batch.blendMode_ != BLEND_ALPHA && batch.blendMode_ != BLEND_ADDALPHA && batch.blendMode_ != BLEND_PREMULALPHA) ⏎ ps = diffMaskTexturePS; ⏎ else ⏎ ps = diffTexturePS; ⏎ } ⏎ ⏎ graphics_->SetSh`	`... ; ⏎ ⏎ namespace Azure.ResourceManager.HybridContainerService ⏎ { ⏎ public partial class ProvisionedClusterData : IUtf8JsonSerializable ⏎ { ⏎ void IUtf8JsonSerializable.Write(Utf8JsonWriter writer) ⏎ { ⏎ writer.WriteStartObject(); ⏎ if (Optional.IsDefined(Identity)) ⏎ { ⏎ writer.WritePropertyName("identity"); ⏎ ((IUtf8JsonSerializable)Identity).Write(writer); ⏎ } ⏎ if (Optional.IsDefined(Properties)) ⏎ { ⏎ writer.WritePropertyName("properties"); ⏎ writer.WriteObjectValue(Properties); ⏎ } ⏎ if (Optional.IsDefined(ExtendedLocation)) ⏎ { ⏎ writer.WritePropertyName("extendedLocation"); ⏎ writer.WriteObjectValue(ExtendedLocation); ⏎ } ⏎ if (Optional.IsCollectionDefined(Tags)) ⏎ { ⏎ writer.WritePropertyName("tags"); ⏎ writer.WriteStartObject(); ⏎ foreach`	`... sforma os `.swapcase` maiúsculas em uma string em minúsculas e as letras minúsculas em maiúsculas. `ruby "hELLO wORLD".swapcase #=> Hello World` ⏎ ⏎ ### Capitalizar: ⏎ ⏎ * O método `.capitalize` transforma a primeira letra em uma string em maiúsculas e o restante na string em minúsculo. `ruby "HELLO".capitalize #=> Hello "HELLO, HOW ARE YOU?".capitalize #=> Hello, how are you?` ⏎ ⏎ _Observe que a primeira letra só é maiúscula se estiver no início da string._ `ruby "-HELLO".capitalize #=> -hello "1HELLO".capitalize #=> 1hello` ⏎ ⏎ ### Marcha ré: ⏎ ⏎ * O método `.reverse` inverte a ordem dos caracteres em uma string. `ruby "Hello World!".reverse #=> "!dlroW olleH"` ⏎ ⏎ ### Dividido: ⏎ ⏎ * O `.split` pega uma string, _divide_ - a em uma matriz e retorna a matriz. ⏎ ⏎ ```ruby "Hello, how are you?".split #=> ["Hello,", "how", "are", "you?"] ⏎ ⏎ ``` ⏎ ⏎ * O método padrão divide a string com base no espaço em branco, a menos que um separador diferente seja fornecido (veja o segundo exemplo). `ruby`
Required Expertise = -1.48	**Required Expertise** = -0.24	**Required Expertise** = 0.45	**Required Expertise** = 1.07
`... x; ⏎ border-top-right-radius: 1000px; ⏎ } ⏎ ⏎ /* line 123, /Users/annaershova/.rvm/gems/ruby-2.2.1/gems/foundation-rails-5.3.0.1/vendor/assets/stylesheets/foundation/components/_sub-nav.scss */ ⏎ .sub-nav { ⏎ display: block; ⏎ width: auto; ⏎ overflow: hidden; ⏎ margin: -0.25rem 0 1.125rem; ⏎ padding-top: 0.25rem; ⏎ margin-right: 0; ⏎ margin-left: -0.75rem; ⏎ } ⏎ /* line 69, /Users/annaershova/.rvm/gems/ruby-2.2.1/gems/foundation-rails-5.3.0.1/vendor/assets/stylesheets/foundation/components/_sub-nav.scss */ ⏎ .sub-nav dt { ⏎ text-transform: uppercase; ⏎ } ⏎ /* line 75, /Users/annaershova/.rvm/gems/ruby-2.2.1/gems/foundation-rails-5.3.0.1/vendor/assets/stylesheets/foundation/components/_sub-nav.scss */ ⏎ .sub-nav dt, ⏎ .sub-nav dd, ⏎ .sub-nav li { ⏎ float: left; ⏎ display: inline; ⏎ margin-left: 1rem; ⏎ margin-bottom: 0.625rem; ⏎ font-family: "gotham-rounded", "Helvetica", Helvetica, Arial, sans-serif; ⏎ font-weight: normal; ⏎ font-size: 0.875rem; ⏎ color: #999999; ⏎ } ⏎ /* line 85, /Users/annaersho`	`... ⏎ <td class="description last"> <p>The position constant. One of <code>Phaser.TOP_LEFT</code> (default), <code>Phaser.TOP_CENTER</code>, <code>Phaser.TOP_RIGHT</code>, <code>Phaser.LEFT_CENTER</code>, <code>Phaser.CENTER</code>, <code>Phaser.RIGHT_CENTER</code>, <code>Phaser.BOTTOM_LEFT</code>, <code>Phaser.BOTTOM_CENTER</code> or <code>Phaser.BOTTOM_RIGHT</code>.</p></td> ⏎ </tr> ⏎ ⏎ ⏎ <tr> ⏎ ⏎ <td class="name"><code>offsetX</code></td> ⏎ ⏎ ⏎ <td class="type"> ⏎ ⏎ integer ⏎ ⏎ ⏎ < /td> ⏎ ⏎ <td class="attributes"> ⏎ <optional> ⏎ ⏎ ⏎ </td> ⏎ ⏎ ⏎ <td class="default"> ⏎ 0 ⏎ </td> ⏎ ⏎ <td class="description last"><p>`	`... ILE_CONTENT; ⏎ import static com.google.gerrit.acceptance.PushOneCommit.FILE_NAME; ⏎ import static com.google.gerrit.acceptance.PushOneCommit.SUBJECT; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.ALL_REVISIONS; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.CHANGE_ACTIONS; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.CHECK; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.COMMIT_FOOTERS; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.CURRENT_ACTIONS; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.CURRENT_COMMIT; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.CURRENT_REVISION; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.DETAILED_ACCOUNTS; ⏎ import static com.google.gerrit.extensions.client.ListChangesOption.DETAILED_LABELS; ⏎ import static com.google.gerrit.extension`	`... ** */ ⏎ ⏎ /*! ⏎ * @brief Forward declaration of the DSPI eDMA master handle typedefs. ⏎ */ ⏎ typedef struct _dspi_master_edma_handle dspi_master_edma_handle_t; ⏎ ⏎ /*! ⏎ * @brief Forward declaration of the DSPI eDMA slave handle typedefs. ⏎ */ ⏎ typedef struct _dspi_slave_edma_handle dspi_slave_edma_handle_t; ⏎ ⏎ /*! ⏎ * @brief Completion callback function pointer type. ⏎ * ⏎ * @param base DSPI peripheral base address. ⏎ * @param handle A pointer to the handle for the DSPI master. ⏎ * @param status Success or error code describing whether the transfer completed. ⏎ * @param userData An arbitrary pointer-dataSized value passed from the application. ⏎ */ ⏎ typedef void (*dspi_master_edma_transfer_callback_t)(SPI_Type *base, ⏎ dspi_master_edma_handle_t *handle, ⏎ status_t status, ⏎ void *userData); ⏎ ⏎ /*! ⏎ * @brief Completion callback function pointer type. ⏎ * ⏎ * @param base DSPI peripheral base address. ⏎ * @param handl`

Table 11. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **ArXiv**. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 6.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -1.17	**Writing Style** = -0.24	**Writing Style** = 0.33	**Writing Style** = 0.91
... & \multicolumn{5}{c!{\vrule width \heavyrulewidth}}{\textbf{DementiaBank Pitt}} & \multicolumn{3}{c!{\vrule width \heavyrulewidth}}{\textbf{JCCOCC MoCA}} & \multicolumn{4}{c}{\textbf{TORGO}} \\ \cline{7-18} & & & & & \multicolumn{2}{c|}{Dev} & \multicolumn{2}{c|}{Eval} & \multirow{2}{*}{Overall} & \multirow{2}{*}{Dev} & \multirow{2}{*}{Eval} & \multirow{2}{*}{Overall} & \multirow{2}{*}{Seve.} & \multirow{2}{*}{Mod.} & \multirow{2}{*}{Mild} & \multirow{2}{*}{Overall} \\ \cline{7-10} & & & & & PAR. & PAR. & & INV. & INV. & & &	... _1)^2\}\\ &=\frac{1}{b_{n+1}}\exp\{-\frac{1}{2\sigma_{22\cdot 1}}\left(\log b_{n+1}-(\mu_{n+1}+\boldsymbol{r}'\boldsymbol{\Sigma}^{-1}_{n\times n}(\log\boldsymbol{b}^{n}-\boldsymbol{\mu}^{n}))\right)^2\}. & \end{align*} Therefore, according to the probability density function of a log-normal distribution, we have $b_{n+1}|\boldsymbol{b}^n \sim \mathcal{LN}(\mu^*,v^*)$, where $\mu^*=\mu_{n+1}+\boldsymbol{r}'\boldsymbol{\Sigma}^{-1}_{n\times n}(\log\boldsymbol{b}^n-\boldsymbol{\mu}^{n})$ and $v^*=\sigma_{22\cdot 1}=\sigma^2_{n+1}-\boldsymbol{r}'\boldsymbol{\Sigma}_{n\times n}^{-1}\boldsymbol{r}$. \end{proof} \begin{lemma} \label{lemma2} Consider the model (1) (without time-series), given $(p(\mathbf{x}_1),\ldots,p(\mathbf{x}_n))'=\boldsymbol{p}^n$, the conditional distribution of $p(\mathbf{x}_{n+1})$ is a logit-normal distribution, that is, $ p(\mathbf{x}_{n+1})|\boldsymbol{p}^n\sim Logitnormal(m(\boldsymbol{p}^n), v(\boldsymbol{p}^n)) $ with $m(\boldsymbol{p}^n)=\mu(\mathbf{x}_{n+1})+\boldsymbol{r}_	ance levels, $\alpha = 0.01, 0.05, 0.1,$ and 0.2. The knockoff method using lasso-based LCD feature statistics outperforms BH by a wide margin when $\alpha = 0.2$ by successfully exploiting sparsity, but it fails for smaller values of α due to the threshold phenomenon. The cKnockoff method described in this paper outperforms both BH and knockoffs.} \label{fig:mcc-block} \end{figure} \subsection{Outline and contributions} \label{sec:outline} In this work, we propose the {\em calibrated Knockoff procedure} (cKnockoff), a method that controls finite-sample FDR in the Gaussian linear model with fixed design. Our method acts as a ``wrapper'' around any implementation of fixed-X knockoffs, uniformly improving its power by means of a {\em fallback test} that allows for the rejection of variables not rejected by knockoffs. For a generic fallback test statistic $T_j(\vct y)$, we calibrate a data-adaptive rejection threshold $\hat{c}_j(\vct y)$, and reject H_j for any j in the knockoff rejection se	... en one of these point particles is modelled as the source of an appropriate metric of general relativity. For example, neutral particles are modelled by Schwarzschild metric and electrically or magnetically charged particles are modelled by Reissner-Nordstr\"om metric. Finally, the quantum mechanical wave-function of the other particle in the background of this space-time is analysed to deduce the corresponding scattering amplitude. The effect of electromagnetism is also studied when the particles also carry electric and/or magnetic charges. Next, we replace these black hole metrics by their counterparts in dilaton gravity, i.e. those that arise in low energy string theory. Here, we see that the above mentioned modelling cannot be done by generic black holes as was the case for general relativity. If we consider charged particles, for example, the modelling can be successfully done only by extremal black holes to be able to calculate the scattering amplitudes. This supports the conjecture
Facts & Trivia = -1.63	**Facts & Trivia** = -0.89	**Facts & Trivia** = 0.01	**Facts & Trivia** = 1.04
... ations (3.9) and $\phi 1 = 1\phi$ imply \begin{equation} (A\phi - \phi A)V = 0. \end{equation} On the other hand the action of ϕ on the second of (3.9) yields $\phi (1\phi V) = \frac{c}{4}\phi^{2}V + \alpha \phi A\phi V$, which, by virtue of (1.1), is written in the form \begin{equation} (\phi 1)\phi V = -\frac{c}{4}V + \alpha (\phi A)\phi V, \end{equation} Moreover, from (1.1) and (3.9) we obtain: $$(1\phi) \phi V = 1 \phi^{2}V = - 1 V = -\frac{c}{4}V - \alpha A V,$$ therefore \begin{equation} (1\phi) \phi V = -\frac{c}{4}V + \alpha (A\phi) \phi V \end{equation} Comparing (3.11) and (3.12), and using $\phi 1 = 1 \phi$ we have \begin{equation} (A\phi - \phi A)\phi V = 0. \end{equation} But from (1.1) and (3.8) we also have \begin{equation} (A\phi - \phi A)\xi = 0. \end{equation} Therefore, (3.10), (3.13) and (3.14) imply that $A\phi = \phi A$. This result and the theorems (0.1) and (0.2) complete the proof of the theorem 0.3. \qed \\ \ \\ \section{Proof	... d}_{\mathcal{S}^{*},n} \to \ensuremath{\tilde{\mathfrak{p}}}(m) \text{-mod}_{\mathcal{S},n}$ from \cref{Udottilde,SS:websforP,SS:Chevalleyisomorphism}, respectively. Consider the following composition of functors: \begin{equation}\label{E:compositefunctor} \begin{tikzcd}[column sep = 8 ex] \mathbf{\dot U}(\ensuremath{\mathfrak{p}}(n)) \arrow{r}{\operatorname{pr} \circ \Psi} & \mathbf{\dot U}(\ensuremath{\tilde{\mathfrak{p}}}(n))_{\geq 0} \arrow{r}{H_n} & \mathfrak{p}\textup{-}\mathbf{Web}_{\uparrow, n} \arrow{r}{\operatorname{ref}} & \mathfrak{p}\textup{-}\mathbf{Web}_{\downarrow, n}} \arrow{r}{\mathcal{T}_m \circ G_{\downarrow, n}} & \ensuremath{\tilde{\mathfrak{p}}}(m) \text{-mod}_{\mathcal{S},n}. \end{tikzcd} \end{equation} Since Ψ and ref are both contravariant superfunctors and the others are covariant, the entire composite is covariant. In addition, since each functor is full and essentially surjective, so is the composite. That is, we have the following result. \begin{theore	... ng trend when adding 6400 or more labeled reviews. One possible reason is that when adding into the training data a small number of English reviews translated from the labeled Chinese data, the training signals they produce might be lost in the vast number of English training samples, thus not effectively improving the performance. Another interesting find is that it seems a very small amount of supervision (e.g. 100 labels) could significantly help \texttt{DAN}. However, with the same number of labeled reviews, \texttt{ADAN} still outperforms the \texttt{DAN} baseline. \begin{figure}[h] \vspace{-3mm} \centering \includegraphics[width=0.5\textwidth]{resources/semi-sup-wadan.pdf} \caption{\texttt{ADAN} performance for Chinese in the semi-supervised setting when using various amount of labeled Chinese data.} \label{fig:semi-sup} \vspace{-3mm} \end{figure} \begin{figure*}[ht] \centering \includegraphics[width=\textwidth]{resources/wadan_coarselabels_example.pdf} \caption{\sma	... m+1}$ by utilizing the history of template indices $H=t_0,\dots,t_m$. In other disciplines, numerous deep learning methods increase their performances by incorporating large amounts of data available through the internet. A common approach to use these data is unsupervised learning. In natural language processing (NLP), word2vec~\cite{mikolov2013distributed} and more recent language models BERT~\cite{devlin2018bert} are standard and responsible for significant improvements in various NLP tasks. These models are pretrained on large corpora of text such as Wikipedia and later fine-tuned on the particular task or dataset. Recent studies in log anomaly detection~\cite{meng2019loganomaly, zhang2019robust} utilize a pre-trained word embeddings to numerically represent the log templates instead of the integer log sequences~\cite{du2017deeplog}, where they observe small improvements in the prediction of unseen logs. However, the learning of the sequence of template indices and the enhanced log message embedding approaches still have lar
Educational Value = -0.85	**Educational Value** = 0.13	**Educational Value** = 0.75	**Educational Value** = 1.43
... (-0.4,0.2) to[out=135,in=-90] (-0.6,0.6) to[out=90,in=180] (-0.4,0.9) to[out=0,in=90] (-0.1,0.4); \draw (0.4,0.2) to[out=45,in=-90] (0.6,0.6) to[out=90,in=0] (0.4,0.9) to[out=180,in=90] (0.1,0.4); \end{scope} \end{tikzpicture}} \end{equation} $A_{n,1}$ admits dual theory. The form of the dual depends on the parity of n. \subsubsection*{n odd} The duality in this case is given by \begin{equation} \label{UVdualitiesFamilyIIOdd} \scalebox{0.9}{\begin{tikzpicture}[node distance=2cm,gSUnode/.style={circle,red,draw,minimum size=8mm},gUSpnode/.style={circle,blue,draw,minimum size=8mm},fnode/.style={rectangle,draw,minimum size=8mm}] \begin{scope}[shift={(0,0)}] \node at (-2.2,1.6) {$\tar_1)$}; \node[gSUnode] (G1) at (0,0) {$2N+1$}; \node[fnode] (F1) at (0,-2) {8}; \draw (G1) -- (F1); \draw (-0.8,0.3) to[out=135,in=-90] (-1,0.8) to[out=90,in=180] (-0.7,1.3) to[out=0,in=90] (-0.2,0.8); \draw (0.8,0.3) to[out=45,in=-90] (1,0.8) to[out=90,in=0] (0.7,1.3) to[out=180,in=90] (0.2,0.8); \end{scope} \	... deux fibr\'es \ad\'eliques hermitiens sur $\Spec K$, et $f:E\rightarrow F$ un homomorphisme. Pour toute $v\in\Sigma$, on d\'esigne par $h_v(f)$ le logarithme de la norme (d'op\'erateur) de l'application $f_{\mathbb C_v}:E\otimes_K\mathbb C_v\rightarrow F\otimes_K\mathbb C_v$. On note en outre \[h(f)=\frac{1}{[K:\mathbb Q]}\sum_{v\in\Sigma} n_vh_v(f).\] L'in\'egalit\'e de pente suivante, qui relie les pentes maximales de la source et du but d'un homomorphisme injectif de fibr\'es vectoriels ad\'eliques, sera utilis\'ee plus loin dans la minoration des invariants arithm\'etiques. \begin{prop} Soient $\overline E$ et $\overline F$ deux fibr\'es vectoriels ad\'eliques non-nuls, $f:E\rightarrow F$ une application K-lineaire injective. Alors on a l'in\'egalit\'e suivante~: \begin{equation}\label{Eu:pente} \widehat{\mu}_{\max}(\overline E)\leqslant \widehat{\mu}_{\max}(\overline F)+h(f). \end{equation} \end{prop} \begin{proof} Voir \cite[Lemme 6.4]{Gaudron07} pour la d\'emonstrat	... as a computer (MIL-5min model) and 2×5000 samples when the sample was a single URL string (MIL-URL model). The gradient descend was run for 50 000 iterations. Because loading the data was very time consuming, the stochastic gradient descends used a circular buffer of size 5, which means that every minibatch was reused 5 times. This means that although the SGD used 50 000 steps, it has seen only 10 000 "new" mini-batches. \subsection{Prior art} The proposed solution has been compared to two approaches --- manually designed features used in a random forest classifier~\cite{machlica2017learning} (called R. Forest) and an approach based on convolution neural network~\cite{saxe2017expose} (called eXpose). They were selected as they represent state complementary approaches in the prior art. R. Forest classifier~\cite{machlica2017learning} uses a set of 398 hand-designed features that are used with a random forest classifier to separate URL strings of benign and malicious applications. This approach is a good protot	... \Pi $ (i.e., $ \hat{\epsilon}_{min} $) and the empirical average regret of the learner (i.e., $ \hat{\epsilon}_{regret} $). Similar to DAGGER~\cite{ross2011reduction}, the second term can be eliminated if a no-regret algorithm such as Follow-the-Leader~\cite{hazan2007logarithmic} is used. The third term implies the number of training examples KN needs to be $\mathcal{O}\left(T^2l^2_{max}\log(\frac{1}{\mu})\right)$ in order to become negligible. We can achieve $\mathcal{O}\left(T^2l^2_{max}\log(\frac{1}{\mu})\right)$ samples easily as ADAPS uses principled simulations for generating them. With these changes, this theorem can lead to the following Corollary. \begin{corollary} If l is convex in π for any s and it upper bounds C, and Follow-the-Leader is used to select the learned policy, then for any $\epsilon > 0$, after collecting $\mathcal{O}\left(\frac{T^2l^2_{max}\log(\frac{1}{\mu})}{\epsilon^2}\right)$ training examples, with probability at least $1 - \mu$, $\mu \in(0,1)$, ADAPS offers the
Required Expertise = 0.46	**Required Expertise** = 1.60	**Required Expertise** = 2.09	**Required Expertise** = 2.51
... and HP values allows for a multi-faceted comparison of learning algorithms across data sets including robustness to varying parameter settings for the learner. We believe that having more insight on the behavior of a learner is especially useful when dealing with novel, unseen data. Indeed, being able to calculate and possibly visualize its performance map provides more confidence in how the learner would behave in the future and what subset of parameter settings are likely to produce high performing outcomes: the highest the HP(k) values, the highest the probability that the learner will operate within the [bestperformance *(1-k), bestperformance] range when variation to its configurations settings will happen in the future. \begin{table*}[htb] \caption{High Performance values $HP(k)$in several learning contexts.} \label{highperf} \begin{tabular}{cccccc} Data set & Learner and & Best Accuracy & HP(0.05) & HP(0.10) & HP(0.20) \\ & Meta Optimization & & (within 5\% of best)	... e advantage of DQN-LTA. \begin{figure*}[!htbp] \centering \includegraphics[width=0.48\textwidth]{figures/LunarLander-v2_sweep_nh2} \caption{ Evaluation learning curves on LunarLander, averaging over 5 runs with the shade indicating standard error. The learning curve is smoothed over a window of size 20 before averaging across runs. }\label{fig:discrete-control-lunarsweep} \end{figure*} \subsection{Proofs}\label{sec-proofs} We now provide the proof for Proposition~\ref{thm-onehot-guarantee}, Proposition~\ref{thm-apponehot}, Theorem~\ref{thm-sparsity-guarantee} and Corollary~\ref{cor-sparsity} below. \subsubsection{Proof for Proposition~\ref{thm-onehot-guarantee}}\label{sec-proof-thm-onehot} For convenience, we define the k-dimensional one-hot vector $\mathbf{e}_i$ whose ith entry is one and otherwise zero. \begin{prop}\label{sum-k-delta}, for any $z \in [1, u]$, \begin{enumerate}[leftmargin=1cm,itemsep=0ex,topsep=0pt]	... nd $w_2= \exp(-\theta){\dot \phi}$. The complete and vertical lifts of the above basis are \[\clift X = \fpd{}{x}, \quad \vlift X = \fpd{}{\dot x},\quad \clift{\hat E}_1 = \fpd{}{\theta}, \quad \clift{\hat E}_2 = \exp(\theta)\Big(\fpd{}{\phi} +{\dot \theta}\fpd{}{{\dot \phi}}\Big) ,\quad \vlift{\hat E}_1 = \fpd{}{{\dot \theta}}, \quad \vlift{\hat E}_2 = \exp(\theta)\fpd{}{{\dot \theta}}. \] Finally, the matrix ${\mathcal A}$, defined by the relation ${\hat a} E}_a(x,g)= {A}_a^b(g){\tilde E}_b(x,g)$, is here \[{A}(g) = \left(\begin{array}{cc} 1 & 0 \\ -\phi & \exp(\theta) \end{array}\right). \] At the identity of the Lie group, the matrix ${A}$ is the identity matrix, as it should be. If we use the invariant fibre coordinates (v^0,w^a), the induced action on TM is simply\\ $\psi^{TM}_{(\phi_1,\theta_1)}(x,(\phi,\theta), \dot x, w_1, w_2) = (x,(\phi_1,\theta_1)*(\phi,\theta), \dot x, w_1, w_2)$. Since the coordinates $(x, \dot x, w_1, w_2)$ can be interpreted as coordinates on $TM	... of the points P_i. Take the fiber F_i of the $\mathbb{P}^1$-bundle morphism of $\mathbb{F}_1$ to $\mathbb{P}^1$ that passes through the point P_i for each i. We have \[-K_{\mathbb{F}_1}\equiv 2C+\frac{1}{2}\sum_{i=1}^6F_i.\] We then obtain \[-K_{S}\equiv 2\tilde{C}+\frac{1}{2}\sum_{i=1}^6(\tilde{F}_i-E_i),\] where $\tilde{C}$ and $\tilde{F}_i$'s are the proper transforms of C and F_i by ϕ_1, respectively. Since $B\equiv \tilde{F}_i+E_i$ for each i, we have \[-K_{S}+aB\equiv 2\tilde{C}+\left(\frac{a}{6}+\frac{1}{2}\right)\sum_{i=1}^6\tilde{F}_i +\left(\frac{a}{6}-\frac{1}{2}\right)\sum_{i=1}^6E_i.\] Since $a>3$, Example~\ref{example:lines} verifies that S has an H-polar cylinder. \end{proof} Theorems~\ref{theorem:BR3-7}, \ref{theorem:BR2}, \ref{theorem:CL3-6} and \ref{theorem:CL0-2} imply (1), (2), (3), and (4) in Theorem~ \ref{theorem:main-hard}, respectively. \subsection{Subsection{Cylinders in del Pezzo surfaces of degree 1} \label{section:cylinders-degree-1} In order to

Table 12. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **CommonCrawl+C4 Cluster No. 1 (8.3%)** ***like, just, people, think, know, don, really, ve, time, going***. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 11.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -1.31	**Writing Style** = -0.36	**Writing Style** = 0.63	**Writing Style** = 1.51
... . ⏎ Push Ziggler! 7 ⏎ Find all posts by FordTaurusSHO94 ⏎ That Don Guy ⏎ I wouldn't be surprised if the Money In The Bank winner ends up being either Cena or a surprise return by Batista (remember when everybody thought Daniel Bryan was leaving WWE?), who then decides, "I don't want the belt this way; I'll wait for Daniel Bryan to return, and then cash in the briefcase." ⏎ What they should have done: have him hand over one of his two belts, then, when he's better, they'll hang both belts over the ring and have a ladder match for the "unified" title (after which they can finally retire one of them - having both of them around is meaningless unless there's another split coming up). 8 ⏎ Find all posts by That Don Guy ⏎ I am hoping the days of a non-heel Cena winning the championship in any way at all are OVER. ⏎ Batista/Bryan could be good, as the "broken promises" relate to Batista not getting the title at Wrestlemania. But if we are supposedly moving to Brock/Bryan at Summerslam, we really don't need Cena at all in the title picture. B	... e pens offered as a selection. I'm not looking for exact names so duplicating what I wrote as the name isn't required and having a typo won't disqualify you. Picking a Visioneer would disqualify you since there's no universe where that's a typo or a good choice. ⏎ 2. One entry per person. ⏎ 3. This is open internationally as long as USPS will ship there. Prizes will be declared as a gift but I am required to indicate a value. While this value will be relatively small you will be responsible for any customs fees or taxes. ⏎ 4. I can't (won't) replace any prizes that may be lost or delayed in transit. I use the lowest cost method with no insurance and often no tracking outside the US. After many years of problem free shipping my recent history has some international deliveries taking over 30 days while touring the customs house in multiple countries only to be sent back. This applies to U.S winners too, but it's mainly been an issue internationally. ⏎ 5. Please leave your email address in the appropriate comment field. It will not be made	... sturised. ⏎ Got any cuts on your hands? This lovely soap is full of aloe so it'll speed up the recovery process and help avoid any nasty infections from developing. ⏎ Most importantly, I like that this is a big bottle that lasts about 2-3 months based on a normal family (although what is normal right?). It means it's one thing of my list at the supermarket. Or two if you count the hand cream I don't need to buy. Or three because I also don't need to buy baby bath. I'm all about the thrifty buying! ⏎ We all want to protect our baby's delicate skin from harsh chemicals; it's just what we do as mums right? We want nothing but the best. These are the five products that I've swapped into our baby boy's routine which have been absolutely amazing. ⏎ Aloe Vera Soap - Super gentle for all types of sensitive skin but especially good for babies. I just put a pump in the bath for lots of bubbly fun. It's got a nice, natural scent and gives baby bum that fresh baby smell. ⏎ Aloe Vera Gelly - This one has been absolutely amazing for teething! When b	... st as it is awkward to ask wealthy people why they need so much money, why they use their wealth so poorly, and why they don't just get rid of it when they recognize that it is the cause of their unhappiness. – Anton Chekhov ⏎ Maybe that's what we look for in the people we love, the spark of unhappiness we think we know how to extinguish. – Tom Perrotta ⏎ I suddenly wondered whether Mother might not actually be happy now, whether the sensation of happiness might not be something like faintly glittering gold sunken at the bottom of the river of sorrow. The feeling of that strange pale light when once on as exceeded all the bounds of unhappiness - if that can be called a sensation of happiness, the Emperor, my mother, and even I myself may be said to be happy now. – Osamu Dazai ⏎ For years of our lives the days pass waywardly, featureless, without meaning, without particular happiness or unhappiness. Then, like turning over a tapestry when you have only known the back of it, there is spread the pattern. – Jane Gardam ⏎ Today, I go east.
Facts & Trivia = -1.91	**Facts & Trivia** = -1.04	**Facts & Trivia** = -0.26	**Facts & Trivia** = 0.61
... o be able to grieve that, right? No, you can, that's okay. That's okay. It doesn't bother me, right. I know how amazing my partner is for my girls and vice versa. But I also understand that as a parent, you have these visions of what your child's life is going to look like as an adult. And when it doesn't turn out that way, and it almost never does, it is okay to grieve that vision. And I think the response I got was, it was incredible to me because it was so many people sent that post to their parents and said, It's okay for you to grieve. And then those parents came back to me and were like, thank you because I needed that. Right. And that was just that. I think that was a huge part of why we started that because the support group is that we need those places. We need those places where we can feel that whole spectrum of emotion. ⏎ We absolutely do. In fact, I told, and one of the few things that I have let slip since the kids have come out is, I think it was last weekend said, "You know, I'm sad. I'm never going to get a son- in-la	... et up. ⏎ It is apropos that I am especially grateful today, but I aim to cultivate an attitude of gratitude daily. So for all of you reading this who have helped make this fall a little more bearable, thank you. ⏎ I know. This post is LONG overdue. But I'm posting it anyway, because we have an awful lot to be thankful for, and because I think I'll be glad we have a Thanksgiving 2015 post somedays. ⏎ We spent Thanksgiving in Islip with Grammie's side of the family, a long-standing tradition for Will (and at this point, for me!), but a first for Henry, Jack, and Sophie. This meant lots of family, lots of food (though let's be honest, these kiddos just ate mac 'n cheese like it was any other Thursday), and lots of fresh air and wide open spaces. With the weather as warm as it was, we took full advantage of the immediate access to the outdoors. How different from our city lives! ⏎ If you look closely, you'll see two kiddos running around on this glorious afternoon. The third one is in the bushes around the corner. I think they were play	... uch faster focusing and consistently sharp across the entire aperture range which makes me think the smart money is on the SIGMA 50. I think the SIGMA 50 will hold its value much better and be a lens that works nicely with newer sensors in the future, whereas I consider the 50mm f/1.4G to be a reasonable bargain alternative. D800 series users should probably for the SIGMA 50 as the superior resolution will no doubt be more noticeable. ⏎ It's impossible to do exact compares for the following due to different sensor sizes and focal lengths, but just for fun I included these comparisons I did for my own personal curiosity. I figured you might enjoy seeing them too, but strictly speaking these are apples to oranges comparisons. ⏎ As a lens, I think the Fujifilm 56mm f/1.2R is probably sharper but I think the sensor is superior on the 1D X. As a result, I don't think this lens compares as favorably as it would if I could do an apples to apples comparison of both lenses on the same camera body. It's clear the Fujifilm lens is just about as s	... ever seen. Cameron's camera captures the subtle structure of the thing with a naturalist's precision. Her up-close framing strips away context and sense of scale; her high-speed film records more detail and clarity than the naked eye can see. The result is a defiantly alien beauty. This flower is a "floral" in name only. ⏎ That's just a sample of the powerful art you'll see here -- images beautiful, tactile, weird, highly personal, fiercely objective, and occasionally disturbing. To make it even more disturbing, these images aren't first-generation photographs, drawings, paintings or assemblages. They're prints, although you'd never know it at a casual glance. What's going on? ⏎ On a technical level, it's easy to explain. ⏎ Chris Schumaker scanned in the original art at insanely high resolution, then generated large-scale prints on everything from paper to canvas to aluminum. Some pieces are screen-printed; others are continuous tone, giclée output. The images are so good, you have to wonder: Is it fine art on the walls, or high-tech
Educational Value = -1.70	**Educational Value** = -0.73	**Educational Value** = 0.33	**Educational Value** = 1.39
... deal. There's too many others. ⏎ Steven Butala: That only works for women. ⏎ Jill DeWit: Oh. Well, then ask a woman. ⏎ Steven Butala: Men are hard wired to be distracted. ⏎ Steven Butala: I'll go out on a limb here. Here's my girl. ⏎ Steven Butala: I love her, and we have history. Oh, wait. There's a girl over there? ⏎ Jill DeWit: Do you really want to use this example? ⏎ Steven Butala: Wait a second. Wait a second. Look. I'm not saying I've ever partaken in anything like that. ⏎ Steven Butala: I'm just saying. ⏎ Jill DeWit: You don't have a better example. How about a boat? ⏎ Steven Butala: Yeah. A boat. There it is. ⏎ Jill DeWit: Here's my beautiful boat. ⏎ Steven Butala: Boats are good. ⏎ Steven Butala: There's a bigger boat. ⏎ Jill DeWit: … 10 years younger. It looks an awful lot like my boat. ⏎ Steven Butala: That's a bigger, better, but younger version of the boat that I already have. ⏎ Jill DeWit: But it's 10 years younger. Actually, it's the same boat 10 years younger. ⏎ Steven Butala: So what that it's more expensive. ⏎ Jill D	... 's performance in the Daytona 500, the meaning might just fit. In the final six laps of the race, Gordon made several moves to prey on leader Tony Stewart, and rob Budweiser nation of another Dayton a victory. Running in second as the laps wound down, Gordon had two options. He could stay in line and push Stewart to a victory. Or he could take his chances and pull out of line, hoping that his teammate back in fifth place could move up and help him. Nobody would have faulted Gordon for taking the safe road. After all, in a day that saw some dramatic wrecks, a runner-up finish would have been a fine start to the new season. But this is Jeff Gordon... this is the Daytona 500... this is crunch time. There are no safe roads. ⏎ Gordon pulled out of line with six laps to go and immediately lost the runner-up spot to Kurt Busch. As expected, Johnson jumped to the outside to push Gordon. Dale Earnhardt Jr. drafted off Stewart and pulled high to move into the race lead. The crowd roared its approval. But Gordon's chess game wasn't over just yet.	... lways encouraged them to take it into their teacher when school started. This made them so proud to have their teacher read it and give them a "GREAT JOB" pat on the back. ⏎ Never leave home without them. Make sure it is not a messy snack. As a mom you want them to eat healthy stuff like carrots and celery, but we know that might be tough so limit their dry snack intake. Don't forget the drinks too. Keep them well fed and hydrated is key here. Also feed them healthy lunches too. ⏎ Always stop to burn energy. I know if you have a husband that likes to drive straight through this can be a problem, but honestly either you have a miserable trip or you stop to let them burn energy. Nice, clean and busy rest stops are the best of course. Some have play areas or find a corner with no traffic and let them run a little bit, Of course with supervision. Take chalk and draw hopscotch or draw a circle and have them stay within that circle with a ball. Take their scooter along if they're old enough to ride one. ⏎ BE ACTIVE AND PLAY WITH THEM. ⏎ Kid	... abits are formed through the instances where you make a successful decision, which in turn becomes a more "natural instinct". Even if you make the wrong decision, you will still have a valuable learning experience. A bad choice will just open up the door for a better one. ⏎ Your library and bookstore probably have an entire section devoted to self-help. The best of these types of books can truly give you new advice and ideas that work for improving your specific life situations and challenges. Many personal development books are poorly written, so pick one that has good reviews. ⏎ Try to be prepared to record your ideas no matter where you are. Pack some paper with you when you go out. If an idea grabs you while you are on the subway, write it down, then do something about it when inspiration strikes. ⏎ You should know the values that bear importance to you prior to planning a self improvement program. Focus on those areas first to make the positive changes that are most important to your happiness. Instead, focus on all that is impo
Required Expertise = -1.96	**Required Expertise** = -1.13	**Required Expertise** = -0.33	**Required Expertise** = 0.54
... ilk jugs,putting one in twice a day.They have done well with this, but I am concerned about their electrolytes too,so I will add the recipe. ⏎ thanks Lisa! I had fans on all night along with adding electrolytes to the water. Counting down the days to cooler weather! ⏎ Lisa,you are a life saver.Thanks a bunch for this recipe-going now to make. ⏎ Thanks so much. I was paying a dollar per packet of electrolyte solution to mix with 1 gallon of water. This will save me a lot of money. Just made up a batch for them. ⏎ I'm wondering if the av-a-chic powder that I received with my baby chicks is something similar...it says its a mix of vitamins and electrolytes so maybe I could use that as well? ⏎ THANK YOU for this recipe!!! and...for anyone else trying to keep chickens cool...we installed a $25 misting system that we got from Tractor Supply. ..it only uses 0.9 gallons of water per hour, drops the temp by 15 to 20 degrees (we tested it with a thermometer) and the chickens LOVE it!!! The CATS even lay under it!! it has proven to be a great	... unity to re install the CV to fit employer and that job. Another thing concerning the existing job and also the employer info, if any, need to get mentioned. ⏎ Your CV gives a synopsis of everything you have to give an organization and that which you have. Make certain that there was. Even the CV allows one to center on the skills you might have developed in a lot of elements of one's life. ⏎ Make certain you are represented by the CV! Make certain your CV communicates that. It's quite important to organize your CV before you begin creating it. You also needs to mention that your CV and covering correspondence are all attached. Your CV is easy readable and to scan through'. CVs are designed to get an crowd that was specific. Deciding the appropriate CV out to highlight your abilities and experiences is vital. ⏎ Additionally, there certainly are a lot of all CVs utilized in the great britain now and despite it is correct that you find it possible to have distinct formats of CV, in addition you will need to take into account the form o	... posted a message opining that the community could do better job of running a conferece. Guido agreed that the Python Software Foundation (PSF) would underwrite the event, we found a university venue to try and keep costs down, and started to ask for volunteers and speakers. PyCon was born. ⏎ At the second event I announced I would only chair one more conference, and the community would have to find a replacement chair if the conferences were to continue. I didn't want PyCon to become one person's plaything. Happily someone did come forward, and now there are PyCons all over the world. I haven't missed a single PyCon US so far. It's a fun conference. ⏎ Many people like to say they are "giving something back to the community," which is fine if you have to take first. Personally I think paying it forward is a more viable way to ensure that open source initiatives succeed. Running the PSF is a fine way contribute to the open source community, though it doesn't necessarily serve my financial interests best. ⏎ The first Linux distribution	... rpreting his statements. ⏎ We can abstract from our values to principles, and so on, but what makes the difference between an instrumental value and a terminal value is that a terminal value is one that exists for its own sake. Inclusive genetic fitness does match that definition, because natural selection is a thing that slowly replaces things with lower inclusive genetic fitness with things with higher inclusive genetic fitness. This is what biologists mean by 'maximize,' and it's different from what numerical optimization / math people mean by 'maximize.' ⏎ Is it true that you are doing the most you can to maximize your inclusive genetic fitness (IGF)? No, you're clearly suboptimal. But it is clearly true that your ancestors reproduced, and thus your genes are a product of the evolutionary project to gradually replace lower IGF with higher IGF, and in that sense you are doing more on average to increase your IGF than the counterfactual yous that do not exist because their ancestors failed to reproduce. That seems to be what PhilGoe

Table 13. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **CommonCrawl+C4 Cluster No. 2 (7.3%) *government, people, said, state, social, country, rights***. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 11.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -1.01	**Writing Style** = -0.02	**Writing Style** = 0.79	**Writing Style** = 1.54
... lark was compared to Muldoon, but the same values that were held. ⏎ Quite why 'modern' Labour wants to emulate Muldoonist policies is facinating. And bonkers. ⏎ fmacskasy 4.1.1.4.1.2 ⏎ You mean this $70+ billion debt? ⏎ http://www.stuff.co.nz/business/5106876/Government-debt-rises-to-71-6-billion? ⏎ And "breaking news" on the Stuff website: Govt accounts show record $18.4 billion deficit ⏎ You were saying, MC? ⏎ (Waiting for Default Cop-out #1 to be supplied.) ⏎ Herodotus 4.1.2 ⏎ That will never change. Even if NZ hit oil – it would be foreign owned with something like a 2% royality or such going to the govt, then we would have to clean up any residual mess. Like the RWC there would be no 1st Division lotto winner here. ⏎ As stated previously a family of 3 dependants is living on $32 mor e (no inflation/CPI adjustments) as they were in 07. ⏎ Yes, capitalism takes the communities wealth and puts it in the control of a few in such a way so that they benefit and everyone else suffers. ⏎ That will never change. Even if NZ hit oil – it wo	... pected head of a major drug trafficking clan in the VRAE, the country's biggest cocaine-producing region, drawing attention to the changing tactics of traffickers in the zone. ⏎ Peru's anti-drug police unit Dirando announced on August 12 that they had detained Luis Amarildo Montero Lopez, suspected of being the leader of a drug trafficking network operating in the Apurimac and Ene River Valley (VRAE). The authorities arrested two others who were travelling in the same truck as Montero, and seized 250 kilos of cocaine hidden beneath a false floor of the truck. The narcotics were reportedly due to be sent to Europe, where they would have fetched around $12.5 million. ⏎ According to La Republica, Montero was the successor of Jose Manuel Lopez Quispe, alias "Papitas," who was arrested on June 27. Papitas allegedly served as a major supplier of cocaine to Mexican gangs such as the Sinaloa, Juarez and Tijuana Cartels, operating as an "acopiador," a middle man who purchased coca leaf from local farmers before processing it into coca paste	... et tested and access treatment for hepatitis B or cure for hepatitis C," Mr Ninburg said. ⏎ MHAHS manager, Barbara Luisi, said only a few weeks in, Live free of hepatitis C campaign is already exceeding our expectations. ⏎ The campaign has distributed thousands of hepatitis C print resources, reached more than 46 thousand people online and generated considerable ethnic media coverage, suggesting growing community support. ⏎ "The promotions have not only increased people's awareness of hepatitis C testing and treatment, but have also drawn people to the MHAHS website where they can access other viral hepatitis information,"Ms Luisi said. ⏎ Short And Simple Messages Are Not Enough – Developing A Resource For People Living With Chronic Hepatitis B From Non-English Speaking Backgrounds. ⏎ The MHAHS, will deliver an important paper titled Do broad population health promotion campaigns reach CALD communities? along with two posters at the 2018 Viral Hepatitis Conference in Adelaide beginning 13th of August. ⏎ Aimed at improving health communi	... cs behind three decades of neoliberalism in the region. Second, it elaborates on the urban setting as a locale where we can theorize some of the agency at work in the complex process of neoliberal globalization. As such, we should understand Arab politics–and resistance–as a complexity that goes beyond the mere interaction between 'the regime' and 'the Arab people' and relate these politics to shifting power balances in contemporary globalization. ⏎ Tunisia and Syria: Comparing Two Years of Revolution ⏎ By: Leyla Dakhlia ⏎ Abstract: This article aims to reconstruct the connection between the uprisings in Tunisia and Syria–or rather provide the means for characterizing it–by comparing two extremes that could be defined as opposites: that of the particular moment of contestation; and also the circulation and communication of ideas. The purpose of this exercise is not only to challenge the common discourse but also to provide other possible lines of approach regarding the moment itself, what stirs it up, what shifts it, of what it is ma
Facts & Trivia = -0.78	**Facts & Trivia** = 0.15	**Facts & Trivia** = 0.93	**Facts & Trivia** = 1.75
... in May 2008; the proposed increases in ESB and gas prices... ⏎ Alternative Energy Projects. (14 speeches) ⏎ Question 4: To ask the Minister for Communications, Energy and Natural Resources if he will launch or bring forward a national strategy for the promotion of bio-fuels; the details of same; the... ⏎ Mining Sites. (14 speeches) ⏎ Question 5: To ask the Minister for Communications, Energy and Natural Resources the measures his Department will take to address the rehabilitation of the Silvermines area following extensive... ⏎ Other Questions (0 speeches) ⏎ Mobile Telephony. ⏎ Mobile Telephony. (4 speeches) ⏎ Question 6: To ask the Minister for Communications, Energy and Natural Resources if he plans to issue policy directions to ComReg to reduce high mobile termination charges here; and if he will... ⏎ Telecommunications Services. (23 speeches) ⏎ Question 7: To ask the Minister for Communications, Energy and Natural Resources his views on whether private companies will be able to ensure that all parts of rural Ireland receive broadban	... Leave a comment ⏎ twohands ⏎ Today in the South our calendars tell us that this is the beginning of spring. But as trees come into blossom here, the leaves will begin to wither and die in the North. ⏎ In his novel Rasselas, Samuel Johnson attempted to discover the secret of happiness. After many adventures, he concluded that any happiness is always accompanied by a loss, 'That nature sets her gifts on the right hand and on the left'. You can choose to have either worldly fame or a bountiful garden. It seems that full happiness can only be experienced collectively. ⏎ Two hands is a symbol of a world made from the separation of two halves – North and South, thinking and doing. ⏎ Aristotle saw the world as made by two kinds of persons: the user who determines the form and the producer who realises it. In much of everyday life, these two sides work together: we want a cup of tea and we find the materials and equipment to make one. As human society evolves, these two sides are drawn apart. In the West, there is a hierarchy that places th	... on earth if we continue on this path? Will we build a sustainABLE future for our children, our grandchildren? Ourselves? ⏎ In the US, even the current CDC admits that COVID-19 has hit POC and Indigenous Peoples, especially African Americans, harder than White people. The 1% remain more secure and protected. ⏎ From Pandemic to Race ⏎ The effects of COVID-19 on the health of racial and ethnic minority groups is still emerging; however, current data suggest a disproportionate burden of illness and death among racial and ethnic minority groups. –US CDC (COVID-19 in Racial and Ethnic Minority Groups page last reviewed on by CDC June 4 2020) ⏎ Robert D. Bullard is a professor at Texas Southern University who has written for more than 30 years about the need to redress environmental racism. He welcomed the statements of support this week from the leaders of big environmental groups but he lamented that the vast amount of donor money still goes to white-led environmental groups. ⏎ "I'd like to see these groups start to embrace this whole co	... gence said in a report, released on Monday. ⏎ In the report -- Smuggling in India Report 2021 -- which was released by Union Finance Minister Nirmala Sitharaman on Monday, the government agency said it had always risen to the challenge and made great inroads into breaking the gold smuggling syndicates over the years. ⏎ The report said the quantum of import of gold into India was significantly high to meet the huge demand. India, the world's second-biggest gold consumer after China, imports about 900 million tonne (mt) of gold a year. Gold consumption in India was 797.3 mt in 2021, the high est in the past five years, according to the World Gold Council data. ⏎ India being a negligible producer of gold, the huge demand for gold in the country is met through imports, the agency said, adding that India imports gold dore bar as well as refined gold. In the last five years, imports of gold dore bars made up 30 per cent of the total official imports of the yellow metal in India. ⏎ Breaking through the web of syndicates, multiple carriers,
Educational Value = -1.03	**Educational Value** = 0.04	**Educational Value** = 0.96	**Educational Value** = 1.86
... w which is worse, that the attempted genocide of Native Americans would be considered a mere "intrusion" or that criticizing said genocide would be considered "made-up criticism." Oh, and also slavery is totally made up. None of the Founding Fathers ever had any slaves. You could look it up! But don't. ⏎ R.I.P. Etta James ⏎ The legendary Ms Etta James went on to the great concert hall in the sky a couple days ago. ⏎ I saw here back in 1986 at the San Fransisco Blues Festival, and she would have torn the roof off the place, had the show been indoors. Buddy Guy and Junior Wells joined her backup band along with Ms Katie Webster on piano. It was such an amazing set that Albert King could not follow her. My friend and i started heading for our car during his set. Later we felt shitty about it when we were informed that he was dying of cancer, which might have affected his performance. ⏎ Anyway, Etta James was one of the greatest singers of all time. I don't know that anyone ever matched the sheer power of her voice. She will be missed. ⏎ Le	... bur disagreed. ⏎ "Because these cuts have just been proposed, we haven't yet evaluated which steps we will take to deal with possible staff cuts," he said. ⏎ In response to whether he thought the cuts would affect the department's ability to provide service, Wilbur answered, "Yes, that's why we will have to plead our case when our turn comes." He added that if the cuts do occur, the department will have to consider taking an engine company out of service or reducing fire prevention to cope with the reduced staff. ⏎ "On the issues of layoffs themselves, I clearly recognize the controversy they engender and the impact it has on our workforce, " Cohen said. "With labor costs constituting over 70 percent of our budget, and equipment and supplies cut to the point that it is starting to get difficult for departments to perform their basic functions, we have little choice but to now look for savings in personnel." ⏎ However, layoffs are not the only measures being proposed to save money. The mayor, with the approval of the department heads,	... xity increases without warning, and it engulfs the world in dimensions not even comprehensible. How to design globalisation taking care of complexity is what innovation should be focusing on – therein is the play – the globalisation, complexity and innovation as the three-pronged world dimensions need to be taken care of simultaneously. ⏎ When Western countries (read US) forced India and other Asian countries to open their markets in the late 1980s and early 1990s, the West believed that they would get large markets for their products as well as cheap labour. They forced economies to open through multiple thrusts and forces that the so-called poor protected economies had no means to push back. The poor relented. In the 1990s, the opening up of the Indian economy was criticised and generated a feeling of fear of new products coming into India thus ending the so-called monopoly of existing players in protected economy. ⏎ We are moving towards an uncertain, unstable and chaotic state of the world affairs with everyone having mistrust of	... nformation online, we fill out forms and turn them in to government agencies online. Therefore, the question of whether ADA requirements concerning accessibility for people with disabilities might be applied to websites has been brought to the fore. ⏎ Generally, people with disabilities must have access to goods and services that are open to the public. People with disabilities have run into some barriers in terms of access to and usability of certain websites. ⏎ This is a sip-and-puff device, sometimes called a puff mouse, which allows a person with a disability to control computer interface screens by blowing and inhaling into the device. ⏎ Joebeone, Wikipedia. Some rights reserved. ⏎ ADA Compliance, Websites and Some Court Cases ⏎ Early court cases in which this issue was addressed brought decisions that stated that the ADA did not apply to websites. However, some advocacy groups soon brought cases to court and the tide began to turn. ⏎ In 2006, the National Federation of the Blind sued Target for having an inaccessible website. The
Required Expertise = -0.94	**Required Expertise** = -0.06	**Required Expertise** = 0.70	**Required Expertise** = 1.39
... osal to build up to 48 apartments in the subdivision. Apartment residents could not exceed certain income requirements in order to rent there. ⏎ Kris Henry, a Waverly Pointe resident, told council members the proposal needs to be stopped right now. ⏎ "Call it what it is," Henry said. "It's going to be people with income of $25,000 paying rents of $500. Crime will go up. Drugs will go up in this community." ⏎ In early September, council members agreed to issue a letter of support for the developer to obtain tax credits on the low-income apartment complex. Overland Property Group submitted an application to the Kansas Department of Housing in August for tax credits to build up to 48 units in three apartment buildings in Gardner's Waverly Pointe subdivision in August. ⏎ Council's resolution of support does not guarantee that revisions to Waverly Pointe's preliminary development, which includes a Home Owners Association requiring that subdivision owners occupy their property, would be approved by the council or by the planning commission	... And we did say that up front and at the time. ⏎ Question: Yes. ⏎ Deputy Spokesman: It remains to be seen what evidence they can collect, but we'll keep in touch with them to try and get whatever information they have to make sure that they are able to look thoroughly at this. And of course, what that means is that they need to have access to all the information that they can get hold of in order to make a reasoned judgment about what actually happened in Tabit. Yes? ⏎ Question: I just wanted to ask yesterday about the announcement of the Board of Inquiry, described as an internal and independent UN Headquarters Board of Inquiry. By internal, how much of this report is going to be public? That's my question. I have a couple other questions on reports, but can you say what "internal" means? ⏎ Deputy Spokesman: As with all United Nations boards of inquiry, the Board's report will be an internal document of the Organization and not for public release. However, the Secretary-General intends to make publicly available a summary of its findin	... le-class mediocrity, has been great indeed! God Lord! Sacrosanct property has been attacked. The quivering bourgeois must have visions of looting and riot flashing before their eyes: all because the demonstrations of hate by those who own nothing against a recuperator such as Jacob have ceased. The prejudices that underpinned the old authoritarian society have melted away. Which just goes to show that our propaganda is on the right track!' Then he takes the jury to task: 'Sometimes, doctors' certificates are convenient.' He breaks down by profession... each profession accompanied by some epithet of his own devising... the 'panel list' from which Jacob's jurors have been chosen by lot. There is among them, he notes, 'not one worker, not one peasant, not a single proletarian'. How come? Because if justice was just and were Jacob's jury made up of twelve workers, he would necessarily have been acquitted! What, then, is the difference between the judges and the judged? It is that the thieves are not the ones that are believed to be so!'	... ⏎ the mid-1960s. In this model politics establishes broad plans for the administration, and the ⏎ administration, deploying its own separate rationality of decision-making, gives ⏎ universalisable legal form to these plans. (King & Thornhill 2003, 87.) ⏎ officials. They should not be seen here as 'persons' but as 'carriers' of ⏎ political communication. "They are the result of office-holding and /or ⏎ political behaviour", or, "they are political data and decision premises in the ⏎ offices they exercise" (Luhmann 1990, 61). ⏎ Second, I shall give an overview of the relation between the public and ⏎ politics. It is well known that in democracy the needs and interests of the ⏎ public have an influence on the themes or binding decisions of the political ⏎ system. The public can influence the binding decisions through public ⏎ opinion and mass media, which are the structural couplings between the ⏎ public and politics. In democratic societies mass media play an important ⏎ role in representing of the public opinion. They also produce topics

Table 14. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **CommonCrawl+C4 Cluster No. 3 (7.0%)** ***art, county, new, john, family, march, april, july, january, june***. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 11.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -2.22	**Writing Style** = -1.13	**Writing Style** = 0.22	**Writing Style** = 1.60
... 92-0 ma expired 13 Aug 2018, 8:50 p.m. 13 Aug 2018, 8:54 p.m. Testing animation ⏎ 198 Breakup of Rodinia expired 12 Aug 2018, 8:09 a.m. 12 Aug 2018, 9:22 a.m. 850 Ma - Today ⏎ 197 51971 expired 8 Aug 2018, 1:34 a.m. 8 Aug 2018, 1:39 a.m. ⏎ 196 PaleoMap expired 25 Jul 2018, 4:15 a.m. 25 Jul 2018, 4:23 a.m. PaleoMap ⏎ 195 How did I get here? expired 24 Jul 2018, 8:53 a.m. 24 Jul 2018, 9:11 a.m. I feel the earth move under my feet... ⏎ 194 Phanerozoic expired 14 Jul 2018, 3:05 p.m. 14 Jul 2018, 3:15 p.m. PHANEROZOIC ⏎ 193 Paleomap project expired 12 Jul 2018, 11:03 p.m. 12 Jul 2018, 11:10 p.m. Continental drift ⏎ 192 Paleotectonic expired 11 Jul 2018, 6:36 p.m. 11 Jul 2018, 6:37 p.m. General view of Paleotectonic during Plio-Pleistocene ⏎ 191 animación expired 11 Jul 2018, 1:21 p.m. 11 Jul 2018, 1:24 p.m. ⏎ 190 Pontide expired 11 Jul 2018, 12:59 a.m. 11 Jul 2018, 1:02 a.m. Pontide formation ⏎ 189 expired 8 Jul 2018, 7:48 p.m. 8 Jul 2018, 7:54 p.m. ⏎ 188 expired 30 Jun 2018, 8:44 p.m. 30 Jun 2018, 8:57 p.m. ⏎ 187 Begoña Amigo Marx expire	... dditional passengers Adrian Salinas, 21 and Javier Noe Herrera Campuzano, 16 had no injuries. ⏎ The blood alcohol content of the driver is pending tests. ⏎ Rita Faye (McHan) Richardson 58, of Naples, FL, passed away peacefully on May 1, 2013 after a long and courageous battle with cancer, surrounded by her loving family. ⏎ Rita was born August 12, 1954 to Thaddeus Doyle (T.D.) McHan and Maxine (King) McHan in Hartselle, AL and was a longtime resident of Immokalee. Rita enjoyed being outdoors and loved animals. ⏎ She is survived by her son: Lane Price (wife, Jenn), daughter: Kristin Green (husband, Alton), mother: Flora Maxine McHan, sisters: Patricia Tillis (husband, Jimmy) and Tammi McCormack, stepdaughters: Lorrie Helmick, Donna Coomes and many grandchildren, nieces and nephews. Rita was preceded in death by her husband: Ronald Richardson, father: T.D. McHan and sister: Carolyn Hogan. ⏎ The visitation was held Friday, May 3, 2013 from 5-7 p.m. at First Baptist Church of LaBelle. The funeral service will be held Saturday May 4, 201	... eer or two, James and Greg let rip with a musical medley which had our neighbours in the marina dancing on their decks. Here's their final tune: ⏎ There's still time to donate to the RNLI in support of Crew Black Diamond's achievement. Just text BDBD47 £1 [or the amount of your choice] to the number 70070. You may do so anonymously if you wish. Or go to the Black Diamond JustGiving page at www.justgiving.com/blackdiamond ⏎ Posted by Juliet at 16:02 No comments: ⏎ Sailing Round the Isle of Wight - with Accordions! ⏎ 30th June 2012. Raising money for the Royal National Lifeboat Institution - saving lives at sea every day. ⏎ Read all about it . . . ⏎ Donate to the RNLI via our JustGiving page ⏎ Labels: Black Diamond - Sailing round the Isle of Wight with accordions ⏎ Musings from a Muddy Isl and photos reincarnated ⏎ My Musings days are well and truly over, but since this blog still gets more hits in a day than my others receive in a month, I thought I'd post this video here - a montage of photos of Mersea which appeared on Musings from a	... hosting a special afternoon tea and Elton John concert in Moscow. ⏎ The latest model, designed with a large case, rose gold and diamond details, a self-winding movement and in a numbered series, was jointly designed by singer Elton John and Chopard boss Caroline Gruosi-Scheufele, who are long-time friends. ⏎ "We initially met at the 2000 Cannes Film Festival and it was then that I chose to support his fight against Aids," says Gruosi-Scheufele. "Elton is a connoisseur and collector of watches and jewellery. I hope the new Elton John-designed watch collection will appeal to others as much as it does to him. The fight against Aids is an ongoing struggle, tirelessly pursued by the Elton John Aids Foundation." ⏎ As well as Hublot's bid to help sufferers of Hurricane Sandy, it has many other charitable endeavours, including a very special boxing night held this year that raised $1 million (£627,000) for charity World Boxing Cares, an initiative that takes famous boxers on tours of children's hospitals, orphanages and youth centres to "en
Facts & Trivia = -2.10	**Facts & Trivia** = -0.51	**Facts & Trivia** = 0.75	**Facts & Trivia** = 1.77
... ated $50.00 ⏎ Get well soon Will :) ⏎ Prayers to William for strength comfort and healin ⏎ Toni Prince donated $100.00 ⏎ William will be in our prayers. ⏎ The Cain family donated $50.00 ⏎ Our players are with you ???? ⏎ Riley Green donated $50.00 ⏎ Marisa Allen donated $25.00 ⏎ praying for you! i love you, you got this?? ⏎ Ann Irvin and Family donated $250.00 ⏎ Praying for you Will and your family. ⏎ chae morris donated $10.00 ⏎ sending love & prayers <3 ⏎ Rawlins Family donated $125.00 ⏎ praying for you!! ⏎ Destiny Towns donated $20.00 ⏎ Yidnekachew Tedla donated $300.00 ⏎ Yidnekachew's family praying for you Will. ⏎ Debbie Abell donated $50.00 ⏎ Prayers to you and your family ⏎ Karsyn Bennett donated $25.00 ⏎ Molly donated $20.00 ⏎ Faith Harris donated $20.00 ⏎ sending love and prayers to you all ?? ⏎ Ms Angie Swann donated $100.00 ⏎ Praying hard for you Will!! ???? ⏎ Russell Shoja donated $5.00 ⏎ Michele Stoval donated $25.00 ⏎ prayers for William and family ⏎ Blake Meyer donated $100.00 ⏎ madelyn donated $30.00 ⏎ Molly Guy donate	... tep ⏎ The History Of Food Delivery: How Fast Takeout Became A Human Fact Of Life	History Daily ⏎ The History & Evolution of Food Delivery	Underscore_ ⏎ 20 Food Delivery and Online Ordering Statistics for 2021 ⏎ Ordering in: The rapid evolution of food delivery	McKinsey ⏎ How did food delivery start? History of food delivery ⏎ History of Takeout & Delivery: When Did Food Takeout & Delivery Start? - Thrillist ⏎ History of Food Delivery and How It's Changed ⏎ A Brief History of Food Delivery A Brief History of Food Delivery ⏎ Satisfying An On-demand Appetite For Food Delivery Services In Japan - Tokyoesque ⏎ Food Delivery: from Edo to present in Japan	Japan Travel by NAVITIME - Japan Travel Guides, Transit Search and Itinerary Planner ⏎ 出前からデリバリーへ|飲食業の時代の変化についていく！	食品包装容器 |木村容器株式会社 ⏎ 振売 - Wikipedia ⏎ 江戸のテイクアウトとファストフード文化!?物売・屋台や寿司・天ぷらの販売方法も紹介	和樂web 日本文化の入り口マガジン ⏎ 江戸時代のウー	... ecause in 2009 my camera was poor. ⏎ Old church at Petajavesi ⏎ At this moment I am presenting seven middle age churches. I have presented already four churches and the fifth will be published tomorrow. ⏎ historicalragbag says: ⏎ Hi Sartenada, that's really interesting (especially the votive ships) thanks and I'm glad you like the post. ⏎ Lyn Spaull says: ⏎ What an interesting find ! ⏎ Hard to believe these wooden structures can be so old. Thanks for explaining how they are maintained. ⏎ No problem, they're remarkable aren't they ⏎ They are indeed. ⏎ Pingback: Reykholt - Historical Ragbag ⏎ Follow Historical Ragbag on WordPress.com ⏎ Categories Select Category Australia ANZAC Indigenous Australians. Wil-im-ee Moor-ring Wurundjeri Labour Movement New South Wales Sydney Tasmania Port Arthur Victoria Melbourne Botanic Gardens Gothic Bank Queen Victoria Markets Royal Exhibition Building St Kilda State Library of Victoria Rural Victoria Bunyip Cape Schank Churchill Island Geelong Hanging Rock Otways Port Fairy Tower Hill Vida Goldstein b	... e also by Tessier & Sarrou. During his stay in China, Semallé wrote Four years in Beijing, in which he writes about his journeys, his missions in the South of China or the numerous incursions in Tonkin. The works of art he brings back with him to France comprise important pieces, including this stunning bell. ⏎ This Imperial bell, called bianzhong is, in many ways, exceptional. The magnificent and highly detailed chiseling of the bell speaks for itself: this bianzhong is truly a superb example of Kangxi refinement. A twofaced dragon stands on top of the bell, its muscular body firmly stand ing on clawed legs, used to hang the bell from the wooden frame. The body of the bell is divided in three registers: the upper one holds a pattern of stylized clouds, so does the lower one, with added perfectly round medallions, where the bell is hit to produce the sound. In between, the dragon's bodies chasing the pearl among swirls of clouds unfurls, revealing glistening scales chiseled to perfection. ⏎ Bianzhong bells are grouped as carillons.
Educational Value = -2.32	**Educational Value** = -1.24	**Educational Value** = 0.05	**Educational Value** = 1.17
... hirds (-.4) in April/May (.6 - .3 - .2, flat at #32, 6+). ⏎ After dropping three-tenths in back-to-back reports (3.7 - 3.4 - 3.1, 6+), Texas Public Radio news/talk KSTX repeats April's 3.1 (6+) and inches up from #15 to #13. ⏎ San Antonio Music Formats - Off six-tenths in March/April (8.0 - 7.9 - 7.4, 6+), Cox Media Group-owned classic hits-oldies KONO-FM "101.1 San Antonio's Greatest Hits" obliterates that deficit with a +1.1 to 8.5, its highest 6+-stat since September 2018's 8.8. On top the third month in succession, KONO-FM had been in the runner-up slot five successive times before progressing to #1 in March. In advance of slipping to #2 in November 2018, KONO-FM finished at #1 the previous ten sweeps. A full-share increase to 3.0 (6+) by Educational Media Foundation contemporary Christian KZAR propels "Air 1 Worship Now" into the top twenty (#14) and halts three successive negative trends that accounted for a -1.3 (3.3 - 2.4 - 2.2 -2.0, 6+). Conversely, co-owned/similarly-formatted KZLV "Positive & Encouraging K-Love" erodes	... line Kustrof. ⏎ Alexander Rhan, son of Ernst Wilhelm Friedrich Rhan and Karoline Schachtrupp, was born on September 13, 1853 in Duderstadt, Göttingen, Niedersachsen, Germany. He married Minna Brinkmann, daughter of Ernst Brinkmann,. She was born on August 10, 1862 in Wegeleben, Harz, Sachsen-Anhalt, Germany. ⏎ Cäsar Rhan, son of Ernst Wilhelm Friedrich Rhan and Karoline Schachtrupp, was born on May 30, 1857 in Duderstadt, Göttingen, Niedersachsen, Germany. He married Mathilde Kaufholz. ⏎ Bianca Rhan, daughter of Ernst Wilhelm Friedrich Rhan and Karoline Schachtrupp, was born on March 30, 1861 in Duderstadt, Göttingen, Niedersachsen, Germany. She married Otto Huch on January 15, 1885. ⏎ Helene Liese, daughter of … Liese and Elise Schachtrupp. ⏎ Martha Marie Caroline Julie Schachtrupp, daughter of Hermann Johann Wilhelm Schachtrupp and Karoline Friederike Marie von Meyeren, was born on January 4, 1865 in Duderstadt, Göttingen, Niedersachsen, Germany and died in 1911 in Hamburg, Germany at the age of 45. She married Albert Manegold on	... ved to Hobbs. ⏎ Dr. Kyra looks forward to working in the southeast New Mexico and west Texas areas. She enjoys helping both large and small animals. ⏎ "We have been going to Double J for many years. Dr. Mark is our primary vet and he treats all of our animals. He takes the time to answer our questions and we have always received exceptional care. He also got us through a very precarious situation involving a Black Widow spider bite on one of our dogs. We would highly recommend Double J!" ⏎ " The entire staff at Double J Animal Hospital is amazing. Everyone is so caring and compassionate. I know that all of my fur babies are well taken care of when in their care. Best animal hospital in Hobbs!" ⏎ "Took awesome care of my dog. I view our pets more like family, and they took excellent care and kept me updated with everything. They discussed treatment before proceeding. Love it! All my babies will go here." ⏎ "Dr. Mark and his staff at Double J are amazing! They have the utmost respect for you and your pet and treat you both like family	... eroticism in their art as a way of fighting bourgeois conformity, propaganda and artistic censorship.' ⏎ Is that enough to think about yet? ⏎ A self-portrait by Claude Cahun, subverting gender stereotypes. Courtesy of Jersey Heritage Collections ⏎ This is what the exhibition is like. Overflowing with texts, quotes, references, biographical data, artistic theory and, underpinning it all, emerging sooner or later in every wall label for every artist - the axioms of modern identity politics and feminism - gender politics, the body, gender fluidity, transgressive art, gender equality, and so on. ⏎ I counted a total of 103 paragraphs of wall text - sometimes very long, densely factual paragraphs. It would take at least an hour just to read them, and that's before the 50 or so quotes from artists' letters, diaries and so on. ⏎ There are over 40 couples, but many more 'couples-plus' - groups and movements of artists and writers to get a handle on - with the result that the exhibition features more than 80 writers and artists in total. ⏎ And th
Required Expertise = -2.43	**Required Expertise** = -1.33	**Required Expertise** = -0.17	**Required Expertise** = 0.78
... under a vehicle... ⏎ Havre Police Department A caller at Havre Middle School reported graffiti on the sidewalk, bleachers and track Friday at 10:20 a.m. -- A 12th Avenue caller at 12:50 p.m. Friday asked for officer assis... ⏎ Havre Police Department A Third Street caller reported Tuesday at 9:32 a.m. that someone drove through a construction site, knocking over cones and breaking a sewer drain lid. -- A water break was... ⏎ Havre Police Department A caller on Wilson Avenue reported Monday at 7:09 a.m. that a skunk was caught in a cat trap. -- A Montana State University-Northern caller reported at 9:31 a.m. Monday that... ⏎ Havre Police Department A First Street Northeast caller reported Friday at 9:05 a.m. the door to his apartment was broken. -- A vehicle crash between a car and pickup was reported at First Street and... ⏎ Local June 28, 2019 ⏎ For the Record, June 28, 2019 ⏎ Havre Police Department A caller at a First Street business reported Thursday at 9:33 a.m. that she had a found bike to turn in. -- A summons was issued a	... interson, Jeanine Pirro, Jeb Hensarling, Jeff Bewkes, Jeff Buckley, Jeff Cooper, Jeff Duncan, Jeff Foxworthy, Jeff Goodell, Jeff Greene, Jeff Kinney, Jeff Nichols, Jeff Ross, Jeffrey Kluger, Jeffrey Sachs, Jeffrey Skoll, Jeffrey Zeldman, Jen Sincero, Jenna Ushkowitz, Jennifer Aniston, Jennifer Connelly, Jennifer Damiano, Jennifer Grey, Jennifer Weiner, Jenny Han, Jeremy Irons, Jeremy Jordan, Jeremy Rifkin, Jerry Brown, Jerry Della Femina, Jerry Jones, Jerry O'Connell, Jerry Pournelle, Jerry Saltz, Jerry Seinfeld, Jerry Spinelli, Jerry Yang, Jess Weixler, Jesse Eisenberg, Jesse Stone, Jessica Cutler, Jessica Hahn, Jessica Jung, Jessica Walter, Jessie Buckley, Jessye Norman, Jet Li, Jewel Staite, Jiang Wen, Jill Abramson, Jill Scott, Jill Soloway, Jim Bishop, Jim Brown, Jim Carter, Jim Mattis, Jim McMahon, Jim Rash, Jim Sarbh, Jimmi Simpson, Jimmy Breslin, Jimmy Butler, Jimmy Carter, Jimmy Dean, Jimmy Graham, Jimmy Iovine, Jimmy Lai, Jimmy Page, Jimmy Piersall, Jimmy Savile, Jo Durie, Joan Didion, Joan Jett, Joan Lingard, Joan Rivers,	... he war torn South to retrieve not Joseph, but her cotton crop. Adelicia's Odyssey through wartime Dixie is the stuff of legends. ⏎ However, beautiful Adelicia did not long remain a widow. She remarried, this time to a far wealthier man, Joseph Acklen, who owned large and profitable plantations on the lower Mississippi, all of which produced bountiful crops of cotton. ⏎ In due course, Adelicia bore Joseph a bountiful crop of several more children and he in turn built her the magnificent Italianate mansion of Belmont. Sitting on a long sloping hill, one approached Belmont in the old days as if one were ascending Mount Olympus to visit the gods. Downton Abbey would have been a pauper's hut compared to Belmont in its heyday. All went well, until the War. ⏎ Belmont Mansion's modest back yard, ca. 1863. ⏎ In February, 1862, Nashville fell to the invading Yankee hordes and the miles between the Rock City and the Acklen cotton plantations in Louisiana were long indeed; for most of the war the area between the two waas a no man's land in whi	... nth through the seventeenth centuries. ⏎ Religious scholars, both Jewish and Christian, and European architects, continuously sought to reconstruct an "authentic" image of the ancient city and Temple in order to better understand the biblical events of the past. Many subsequent works of architecture such as churches and synagogues, including the Sistine Chapel, were inspired by the desire to re-create Solomon's Temple. Early modern artists often depicted the Holy Land and the Temple of Jerusalem in the backgrounds of paintings and prints portraying biblical subjects. Moreover, Christians, Jews, and Muslims embarked upon pilgrimages to Jerusalem to renew their faith. In fulfillment of envisioned events of the End of Days, Christians, Jews, and Muslims focused upon Jerusalem as the site for these mystical events. European travelers were attracted by the exotic landscape and people of this region in the eighteenth and nineteenth centuries, and Jewish settlers of the early 20th century viewed Palestine as an ancient homeland of refuge

Table 15. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **CommonCrawl+C4 Cluster No. 4 (6.7%)** ***company, business, market, companies, financial, million***. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 11.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -1.45	**Writing Style** = -0.34	**Writing Style** = 0.47	**Writing Style** = 1.20
... Emirates for a corporation based in Angola ⏎ Can I work remotely for a company in Angola while being in United Arab Emirates? ⏎ Guides Living in United Arab Emirates while working in Jamaica ⏎ Can I work remotely for a company in Jamaica while being in United Arab Emirates? ⏎ Guides Work in United Arab Emirates for a company in Jordan ⏎ Can I live in United Arab Emirates and work remotely for a company in Jordan? ⏎ Guides Working in United Arab Emirates for a corporation in China ⏎ Can I live in United Arab Emirates and work remotely for a company in China? ⏎ Guides Working in United Arab Emirates for a corporation in Cambodia ⏎ Can I work remotely in United Arab Emirates for a company in Cambodia? ⏎ Guides Working in United Arab Emirates for a corporation in Niger ⏎ Can I work remotely for a company in Niger while being in United Arab Emirates? ⏎ Guides Work in United Arab Emirates for a company in Cameroon ⏎ Can I work remotely in United Arab Emirates for a company in Cameroon? ⏎ Guides Live in United Arab Emirates while having a jo	... rdinary Shares (equivalent to 2.5 pence of indebtedness per one Ordinary Share), representing an effective discountof 35.48% to the closing mid-market price of Ordinary Shares on 3 December 2014 (being 3.875 pence), the last business day prior to the publication of this document. ⏎ Costs to complete the production models of the hardware device, patch and packaging. ⏎ Subject to completion of the Fundraising, the Board believes that the Company will have sufficient capital to launch the cloud version of the app and to complete the development stage of the device, comprising of pre-mass production test models of the hardware device, patch and packaging. ⏎ However, once the product is capable of being launched, which is expected in Q2 2015, the Company will require significant additional working capital (by completion of the Additional Fund raising) to finance manufacturing of the product and an increase in support, sales and marketing personnel. Accordingly, the Board is seeking the approval of Resolution 2 at the EGM to authorise the C	... he separate Global Business Leader panels were launched in 2015 with two sessions. The positive response saw a third session added in 2016, and organisers will include a fourth panel discussion for 2017. With this year seeing ADIPEC expand to include downstream industries for the first time, an additional programme will include three Downstream Global Business Leader panels. ⏎ "ADIPEC is unique for its ability to attract such a broad group of industry seniors to an annual event, driven by the market power of the region's NOCs and their IOC partners," said Ali Khalifa Al Shamsi, CEO, Al Yasat Petroleum Operations Co. Ltd and ADIPEC 2017 Chairman. "Nowhere else will industry professionals get such an insight into the strategic thinking guiding the industry forward, from individuals whose decisions are critical to the future of oil and gas businesses." ⏎ With planning for ADIPEC entering its final weeks, organisers have confirmed the involvement of 13 CEOs for the Global Business Leader panels and are in talks with many more across the g	... vance for coordinating with press schedules and allows too much time for schedules to adjust prior to the tour dates. It's a hard two weeks of pitching, but allows you to pitch at the most effective time, instead of spinning your wheels too far in advance. ⏎ Pitch in tiers. It isn't always easy to know what kind of response you'll get, so be sure to separate your press list into tiers, starting with top-tier and highly targeted outlets and working your way down. This formula also allows you to have a clean, open schedule for your most sought after meetings. No one wants to haggle with an outlet like the Huffington Post about timing! ⏎ Pick up the phone. Begin the relationship on a more personal level and pick up the phone to pitch for a press tour. It's often hard, if not impossible, to truly portray the coolness of some products or services over email. Phone pitching allows you to "get real" with the press and tell them why it would work for them and their audience. Plus, you are more likely to establish a connection over the phone
Facts & Trivia = -1.24	**Facts & Trivia** = -0.15	**Facts & Trivia** = 0.64	**Facts & Trivia** = 1.44
... healthcare business. And then on the positive side too, the other piece I would throw out is, as the economy moves to a digital-first, thinking about how we play in our semiconductor space, data centers, factory automation is another area of strength that has helped us and through COVID. ⏎ Got that. And then as a follow-up, when I looked at the guidance that you had given or the framework for the third quarter, and you came in pretty darn close to -- and actually above on revenues and above on margins. What might be the prospects for restoring guidance? I know you've given our framework for 4Q. But just if you -- in the position we are pretty darn close at this stage, when might guidance be restored? And when might you restore buybacks? I mean, you commented on disciplined capital allocation, but you had really good cash flow. ⏎ You paid down debt, when might buybacks be restored? Thanks. ⏎ Yeah Dean, maybe I'll take the first part of that and just talk about how we think about guidance. And as we went through Q3 and got halfway throu	... ties independently as well as in different projects with the government. These organizations has also implemented social accountability standard (ISO-26000). Thus employee at managerial or supervisory level is considered as a unit of analysis for this study. This study used survey based methodology and a questionnaire was developed after a comprehensive review of literature. CSR items are taken as independent variables and financial performance as dependent variable. Data was collected using questionnaire and distributed to the respondent, however, a formal permission was taken through HR department of each organization before conducting the survey. A stratified random sampling technique was used to reduce the common bias in the data. ⏎ Questionnaire for this study consists of two sections; first section was about the general information about the respondent and the second section is to inquire respondent perceptions about the CSR items and its impact on the dependent variables. This study was based on employees experience and their exp	... arily until most currencies were sold and the entire market got into a slump. ⏎ However, after reaching its pinnacle in January 2018, the market crashed and has since been dwindling. In Televisory's earlier blog, Blockchain, an emerging concept, a disruptive technology, we tried to explain the evolution of cryptocurrency and its technical know-how. In this blog, Televisory attempted to understand the volatility in its prices. Over the last 24 hours, Ether , the currency for the Ethereum network, went from ₹1,09,964 to ₹1,11,465, with a market cap of ₹13.7T. ⏎ So far, professional investors say they would actually welcome new regulations - as long as they are not too stringent. But Gensler has called on Congress to give regulators the authority to write new rules. "In the absence of, you know, definitive regulation that applies to crypto assets, we work with them to craft policies, procedures, and processes," she says. ⏎ One of the oldest cryptocurrencies had forked from Bitcoin in 2017. By major market parameters, Bitcoin Cash has al	... ise division between the first and second tier economies is somewhat discretionary, but in general, the First Tier Markets are fully compliant with both the Accord on Trade and the Common Economic Protocol, and have a higher per-capita income than the Second Tier Markets. ⏎ The Emerging Markets are late industrial era or early information era scarcity economies, in which material goods retain high production costs, but where nonetheless the information and service economy is a significant factor and early agalmic features may be present. ⏎ The Unmerged are those economies prior to the late industrial era, often non-agorist in operation, in which the primary activities are the production of material goods and resource extraction. (These overlap heavily with the Forgotten Worlds.) Since their main potential value is found in material production, raw resources, and inexpensive labor, all of which are obtainable in more developed economies through cornucopia technology and roboticization a t less expense, they have little to offer the Core
Educational Value = -1.47	**Educational Value** = -0.39	**Educational Value** = 0.58	**Educational Value** = 1.55
... ion (4) 3.7 2.4 1.3 10.1 7.6 2.5 ⏎ Legal expenses (5) 0.2 72.2 (72.0) 2.1 115.5 (113.4) ⏎ Adjusted EBITDA $ 76.5 $ 70.4 $ 6.1 $ 219.1 $ 207.2 $ 11.9 ⏎ Adjusted EBITDA margin (6) 20.0% 20.8% (0.8)% 20.1% 21.0% (0.9)% ⏎ Foreign currency impact (1.4) (1.1) ⏎ Adjusted EBITDA, constant currency adjusted $ 75.1 $ 218.0 ⏎ Adjusted EBITDA growth, as reported 9% 6% ⏎ Adjusted EBITDA growth, constant currency adjusted 7% 5% ⏎ Cash interest expense (9.6) (16.5) 6.9 (34.6) (48.9) 14.3 ⏎ Cash tax expense – (0.1) 0.1 (0.2) (0.9) 0.7 ⏎ Cash payments for capital expenditures (10.8) (12.9) 2.1 (37.2) (43.2) 6.0 ⏎ Cash payments for agent signing bonuses (8.8) (16.3) 7.5 (19.0) (22.6) 3.6 ⏎ Free Cash Flow $ 47.3 $ 24.6 $ 22.7 $ 128.1 $ 91.6 $ 36.5 ⏎ (1) Severance and related costs primarily from executive terminations. ⏎ (2) Expense resulting from payment by an investor to Walmart upon liquidation of such investor's investment as required by the Participation Agreement. ⏎ (3) Debt extinguishment costs upon the termination of the 2011 Credit Agreeme	... cents, a jump of more than 11,492 percent. ⏎ Prices for litecoin are up more than 7,600 percent since the start of the year, surging from $4.35 to $332. Dash recently changed hands for $1,129, a nearly 10-fold increase from its $11.20 valuation on Jan. 1. Monero has spiked in 2017 from $14.25 to $359, a jump of nearly 2,500 percent. ⏎ Skeptics have argued that the cryptocurrency market is a bubble that's bound to pop, and even fans of bitcoin point out that its long-term success is no sure thing because market forces could eventually push prices downward. Futures contracts for bitcoin are now available on two exchanges, which may stabilize prices over the long run. ⏎ "Whether the market ends up deciding on bitcoin as the dominant cryptocurrency or whether a number of cryptocurrencies end up gaining widespread acceptance, other cryptocurrencies won't displace bitcoin unless they either do something different than bitcoin does. Or unless they can do what bitcoin does but better, faster, cheaper, more secure, etc," said CoinIRA CEO Trevo	... actually a good sign. Let's see if that's how it turns out." ⏎ From the November 01, 2021 Issue of MM+M - Medical Marketing and Media ⏎ Climate Change Pharma ⏎ MM+M Transform: The New Era of Connectivity ⏎ Join us at MM+M Transform: The New Era of Connectivity for an in-depth look at trends likely to inform the industry's evolution over the next 18 months. ⏎ The future is Boundless ⏎ The rules of the past no longer apply after the seismic events of the past three years. To reflect that, HCB Health has become Boundless Life Sciences Group. ⏎ When educating providers to improve patient outcomes, brand experiences must be exceptional ⏎ Now is the time for healthcare brands to achieve true digital transformation. ⏎ The inclusive quotient: Creating inclusive experiences for customers and brands ⏎ IPG Health's Chief Strategy Officer, Julie Pilon and Global Chief Medical Officer, Sommer Bazuo discuss how it all starts at the foundational strategy phase – with the very first creative brief. ⏎ A new measure of success in 2023: Leveraging aud	... to form teams and identify the best talent for projects across the organization. One thing the company has found is that like-minded workers gravitate towards each other, aided by technology, sparking bubbles of innovation. ⏎ Just as important, AI has helped Cisco make breakthroughs in hiring and talent development. "Now we are doing what we call 'blind hiring', where we don't see the name or the university the candidate attended. It's helped eliminate bias and let's us just review the purity of a person's work. This has opened up a whole new pool of talent we can tap – individuals who may not have a college degree but are skilled at coding and a host of other expertise." ⏎ It's a whole new dynamic. "By 2025 I envision we will have a hybrid model and we will be more deliberate in who comes to the office and for what purpose. That may include engineers working in our labs, customer visits that would bring us into the office or innovation days to bring in project teams. That's because we've found we can do so much remotely, including Web
Required Expertise = -1.31	**Required Expertise** = -0.47	**Required Expertise** = 0.25	**Required Expertise** = 1.01
... RETON POST ⏎ THE TELEGRAM ⏎ JOURNAL PIONEER ⏎ YOUR WEEKLY PUBLICATIONS ⏎ Regional Business ⏎ Perspectives on Business ⏎ Now Atlantic ⏎ Local Perspectives ⏎ Regional Perspectives ⏎ National Perspectives ⏎ Explore the East Coast ⏎ Weather Columns ⏎ Cindy's Snapshot ⏎ Grandma Says ⏎ Celebrating our Heroes of 2020 ⏎ IN DEPTH: Covering a contentious lobster fishery ⏎ Have you heard about the SaltWire News app? ⏎ Holiday tastes and traditions ⏎ What you need to know about COVID-19 today ⏎ Check out Halifax's new(s) urban weekly newsletter ⏎ SaltWire Selects: Stories you don't want to miss ⏎ Daily forecasts and weather facts from Cindy Day ⏎ Having faith: Nicholson investing in people and community to grow rural economy ⏎ Lawrence Powell () Annapolis Valley Register ⏎ Published: Dec 19, 2019 at 12:12 p.m. ⏎ Updated: Dec 19, 2019 at 2:33 p.m. ⏎ Sorry you must be at least 19 years of age to consume this content. ⏎ Jane Nicholson, left, is founder and CEO of Annapolis Investments in Rural Opportunity. Executive director is Adele	... , Inc. System and method for automatically distributing a trading order over a range of prices ⏎ US8577787B1 (en) 2005-05-31 2013-11-05 Navigate Fund Solutions LLC Methods, systems, and computer program products for obtaining best execution of orders to buy or sell a financial instrument for which a net asset value is periodically calculated ⏎ US8751362B1 (en) 2008-05-01 2014-06-10 Cfph, Llc Products and processes for generating a plurality of orders ⏎ US20140236866A1 (en) * 2011-09-29 2014-08-21 Skaffold Pty Limited Systems and methods for providing share assessment data with price and value analysis ⏎ US20140244542A1 (en) * 2011-09-29 2014-08-28 Skaffold Pty Limited Systems and methods for providing share assessment data with capital analysis ⏎ US20140330754A1 (en) * 2011-09-29 2014-11-06 Skaffold Pty Limited Systems and Methods for Providing Share Assessment Data in Relation to Virtual Portfolios ⏎ US6236972B1 (en) * 1998-12-02 2001-05-22 Gary Shkedy Method and apparatus for facilitating transactions on a commercial network syst	... cts ⏎ Explore News & Stories ⏎ Fighting Pandemics and Building a Healthier and More Equitable World - Global Fund Strategy (2023-2028) ⏎ Results Report 2021 Executive Summary ⏎ Documents by type ⏎ Focus On Reports ⏎ iLearn Online Learning ⏎ Results Methodology ⏎ OIG Audit of Global Fund Grants in Kenya ⏎ Report Fraud & Abuse ⏎ Audits & Investigations ⏎ View Related Resources ⏎ Auditors from the Office of the Inspector General (OIG) rated the management of financial, health services and product risks as 'generally effective' in Kenya. However, the OIG called for the Global Fund to develop a longer term strategy to tackle the three diseases beyond 2016, including a more coordinated approach with other donors and health service providers in the country. The Global Fund Secretariat, working with country partners, has agreed to a number of corrective actions. ⏎ Kenya, with approximately 5% of the global HIV/AIDS disease burden as well as substantial shares of the malaria and tuberculosis (TB) epidemics, has made good progress in reducing	... st-earning, they would have a market value – the present value of the capital inflows (interest received) – which can be capped at 50 years, etcetera, or issued as interest-paying in perpetuity. Here again, an argument may arise regarding the viability of the repayment of these inflows, which may be considered as debt. ⏎ However, classifying these inflows as debt wouldn't be accurate. This money collected from individuals and businesses would, in conjunction with the primary amount of the fund, be injected into the economy and the economic agents that receive payments from the SWF, or the equity that the SWF buys would be assets held by the SWF, a portion of which would be used to pay the businesses and individuals that provide the inflows to the SWF. Therefore, the inflows for the providers of inflows should be considered as equity they hold, with the SWF acting as an intermediary. ⏎ The SWF would issue debt and acquire equity based on the inflows it receives, those that provide the inflows, if we bypass the middle entity the SWF

Table 16. Raw training examples selected to have quality ratings at the 5th, 30th, 70th and 95th percentile within **CommonCrawl+C4 Cluster No. 5 (6.3%)** ***data, device, use, used, using, user, fig, new, power, software***. For each criterion, the ratings are normalized to have zero mean and unit variance across the corpus and reflect the distributions in Figure 11.

5th percentile	*30th percentile*	*70th percentile*	*95th percentile*
Writing Style = -1.94	**Writing Style** = -0.87	**Writing Style** = 0.13	**Writing Style** = 1.01
...) ⏎ Non-Rechargeable Batteries (193) ⏎ Recharg eable Batteries (357) ⏎ AV Connectors (1035) ⏎ Aut omotive Electrical Connectors (3695) ⏎ Backplane & Rack Connectors (1449) ⏎ Circular Connectors (16 196) ⏎ IC Sockets & Adapters (726) ⏎ Mains & DC Po wer Connectors (2804) ⏎ Network & Telecom Connecto rs (2189) ⏎ PCB Connectors & Wire Housings (46413) ⏎ Power Connectors (7647) ⏎ RF Coaxial Connectors & Adapters (4330) ⏎ Terminal Blocks (21053) ⏎ USB, D Sub & Computing Connectors (8873) ⏎ Wire Termina ls & Splices (5839) ⏎ Displays & Industrial Monit ors (1941) ⏎ Fibre Optic Components (192) ⏎ IR Emi tters & Receivers (195) ⏎ Indicators & Indicator Components (3581) ⏎ LED Indicators & Accessories (399) ⏎ LED Lighting System Components (3473) ⏎ LE Ds & LED Accessories (7017) ⏎ Laser Modules & Com ponents (132) ⏎ Optocouplers, Photodetectors & Pho tointerrupters (4598) ⏎ ESD Control & Clean Room (407) ⏎ PCB Cleaning (13) ⏎ PCB Cutting, Punching, Forming & Drilling (138) ⏎ PCB Etching & Developin g (44) ⏎ PCB Handling (63) ⏎ PCB Spacers, Pillars	... while at the same time providing a cost effici ent architecture and method for updating a single ported Z-buffer memory. ⏎ A method and architectur e for updating a pipelined, single ported Z-buffer is disclosed for use in a raster scan, computer co ntrolled video display system for presenting a 3-d imensional representation of an image on a video d isplay apparatus, such as a computer monitor, to a n observer of the video display apparatus. The com puter controlled video display system includes a Z -buffer for storing Z values and a frame buffer fo r storing pixel values. The Z-buffer has a single, bi-directional data port which is coupled to a gra phics update controller which is substantially sim ilar to the prior art graphics update controller. The frame buffer may be a single port random acces s memory or a dual port random access memory. ⏎ Th e method of the invention for updating the Z-buffe r with new Z values to replace the old Z values be gins with the calculation of a new Z value and a n ew pixel value for each pixel location in a plural	... ual sources observed. ⏎ The observations were arranged in duty cycles. Each duty cycle covered a subset of two to four close-by sources (with integ ration times between 30 and 60 s in each source po inting), in a similar way as the duty cycles descr ibed in Paper III. The duty cycles were designed t o maximize the antenna elevations, which optimize the quality of the differential phase delays. We s how in Fig. 1 the time distribution of all the obs ervations. The frequency-switching changes were ap plied in two types of duty cycles, which were alte rnated every four iterations. In the first type of cycle (optimized for the frequency-switching calib ration, see Sect. 3.2), half of the switchings wer e applied while the antennas were slewing among so urces. If AL and AH are observations of source A a t 14.4 GHz and 43.1 GHz, respectively, the duty cy cles were arranged as This approach saves some tim e due to switching. In the second type of duty cyc le, observations of different sources at the highe st frequencies were put close in time: This approa	... ⏎ To travel a certain distance you must first traverse half of it. ⏎ Makes perfect sense. Two is one plus one. And one is one-half plus one-half. B ut don't be fooled by this seemingly innocent reas oning; it's a trap! (Admiral Ackbar!) ⏎ To appreci ate what's going on—and connect Zeno's paradox bac k to calculus—let's pretend Zeno is in line at Sta rbucks, two feet away from the cash register. He's almost done scanning the menu when the barista yel ls out "next!" And that's when poor Zeno panics. H e must now walk two feet, but because of his minds et, he walks only half that distance with his firs t step. He then walks half of the remaining distan ce with his second step. (Can you imagine how anno ying those in line behind him are getting?) The fi gure below keeps track of the total distance d Zen o has walked and the change in distance Δd after each of his steps. ⏎ Fig. 1.2: Zeno trying to walk a distance of 2 feet by traversing half the remain ing distance with each step. (Reprinted, with perm ission, from Calculus Simplified.) ⏎ Here's a tabu
Facts & Trivia = -1.72	**Facts & Trivia** = -0.54	**Facts & Trivia** = 0.45	**Facts & Trivia** = 1.44
... le providing it with a full internet security solution. It is also providing you with round prot ection against all types of harmful viruses. ⏎ 360 Total Security 10.8.0.1425 Crack Premium With Keyg en New 2023 ⏎ The last virus test is provided by A vira and Bitdefender. They supply all network secu rity after the study. Supporting direct updates an d themes. 360 Total Security Premium Crack is like wise concerned about the security of your mobile d evice. Mobile phones benefit from anti-theft, memo ry, and battery upgrades. Furthermore, the applica tion ensures that your computer is always running the most recent version. Improving the internet sp eed by using a battery and an ad-blocker. It facil itates quick and secure browsing. It uses cloud-ba sed technology in its browser plugins. This techno logy, on the other hand, keeps track of the securi ty of the websites you visit. It also creates a li nk between websites using a URL database. When you try to enter dangerous locations, 360 Total Securi ty Serial Key 2022 will warn you. Removing mining	... d as claimed in claim 9, wherein the step of r equesting synchronization packet data signals from the master device comprises sending a request for a specified number of synchronization packet data signals. ⏎ 11. The method as claimed in claim 9, w herein the basestation connects into a core networ k of the mobile communications network. ⏎ 12. The method as claimed in claim 9, wherein the master d evice comprises a second basestation in the mobile communications network, and wherein the second bas estation connects into the core network of the mob ile communications network. ⏎ 13. The method as cl aimed in any one of claims 9, 11 and 12, wherein t he basestation is configured to synchronize the fr equency synthesizer to the master device on receip t of the synchronization packet data signals from the master device. ⏎ 14. The method as claimed in any one of claims 9, 11 and 12, wherein the master device comprises a second basestation of a mobile communications network. ⏎ 15. The method as claime d in claim 13, wherein the basestation is configur	... The newer MCU infotainment system allows owner s to play more games and to watch Netflix. This me ans that some people that come in for this, might opt to upgrade for $2500. This means that Tesla co uld actually make money from this and customers wo uld have a more capable vehicle. ⏎ I don't know wh at percentage of these 159,000 owners fell into th e over 100k miles and how many were (like me) unde r the 100k mark. ⏎ When I had my 2016 Model X in f or service they replace my flash for no cost to me but there were some things that I think you should be aware of if you take your Tesla in for the eMMC upgrade. ⏎ Getting The eMMC Upgrade ⏎ As mentioned above, my 2016 Model X recently had the eMMC upgra de. The 8Gig flash was replaced with a 64Gig flash unit. A larger flash will mean that the reads and writes will be distributed over 8 times more space and each sector will have less wear and tear. This alone will improve the lifespan of the unit. Addit ionally, Tesla has made some software updates to b e more selective about what they write to the unit	... heat map visualizations of PS20, a CSP station in Spain, that instantly suggest the possibility o f minor blocking problems for some heliostats in t he summer and winter. The heat map on each reflect or is based on the reflected portion of the direct solar radiation onto a 8 x 8 grid on the reflector plane. Hence it already includes shadowing loss, b locking loss, and attenuation loss. And you didn't read the image wrong, each heliostat reflector has a whopping area of 120 square meters (12 x 10 mete rs), dwarfing the vehicle in the image! ⏎ This blo g post features several new tools that were just a dded to Energy3D to support the actual design task s. ⏎ Fig. 4: Variations of layouts ⏎ The first too l is a field layout wizard that provides basic ste ps for customizing three different types of layout : circular, rectangular, and spiral. It allows you to select the width and height of the heliostat re flectors as well as a variety of parameters to aut omatically generate a layout. Of course, you can a lso easily copy and paste to create linear arrays
Educational Value = -1.59	**Educational Value** = -0.38	**Educational Value** = 0.67	**Educational Value** = 1.67
... More ways to shop: Visit an Apple Store call 1- 800- MY- APPLE find a reseller. I will post the m in Downloads section even they are already leake d on some forums. First off I have to warn you: wh ile it' s not a bad idea to restore from a backup if you' ve two identical phones (e. ⏎ IFunbox all ows you install IPA packages from in- house distri bution, which is produced with Apple' s Developer Enterprise Program. How to Play MP4 on iPhone Xs X r Xs Max? Just click here to visit A. ⏎ Ios 9 is n ow available for iPhone 3G. 0 / iPhone 3G users ha ve experienced the very slow. As a powerful iPod i Phone transfer program, iPad Leawo iTransfer. ⏎ Ap ps can be downloaded on the iPhone smartphone the iPad tablet computer, the iPod Touch handheld comp uter some can be transferred to the Apple. How to install software on iphone 3g without itunes. Back up and transfer photos/ music/ contacts/ SMS. If y ou are looking for unlocked Links: Redsn0w 0. ⏎ 23 0 Responses to " How to: Hacktivate iPhone 2G/ 3G/ 3GS/ 4 without a sim card! IPhone Xs/ Xr/ X & iPho	... load foot orthoses; cursor, established folder and burden among hours. Neither dataset nor photo steps the economic state of sexualityReproductive responsibility, but first its TaleShamanismBohemia PeepsGalaxiesEuropeMasksForwardsMasks making the a ssistance through which the free ancestor is to di ffer expanded. massive feelings do designed that t here is an continuous download foot orthoses and o ther forms between the terms of the coordinate par ties and those of a Hieracium level of all attacks . This immediately is away an wild-type of private control. 2014; slides of all essays and of all cha nges, conflicts, and duties. 2019; many other cour se shall have mammals through devastation and man through its groups. download foot orthoses and oth er forms; paper and the third expression of specie s and phyla with the houses of order and Hegeliani sm is the same northeastern of the European minori ties. contrary is neither pure skinhead nor primar y police; it appears aposporous angle and service. ⏎ No download foot orthoses and other forms of in	... re efficiently and productively, even hierarch ies if needed. ⏎ Multiple integrations with third- parties ⏎ VSNExplorer MAM's architecture allows fo r flexible integrations with all types of systems, such as traffic, QC, transcoding, automation, prod uction systems, and many more. It is service-orien ted based on SOA connectors and it also has an ope n API and Single-Sign-On (SSO) authentication sche me via SAML protocol. ⏎ Download VSNExplorer MAM P roduct Information ⏎ Discover the advanced functio nalities of our MAM system ⏎ Automatic metadata ca taloging with AI ⏎ VSNExplorer MAM has been integr ated with many Artificial Intelligence detection e ngines such as IBM Watson, Google, Microsoft Azure , Etiqmedia, etc. resulting in an improved MAM sol ution (in the Cloud or on-premise). This integrati on enables to obtain automatic metadata from media (such as image processing, facial recognition, obj ects and audio effects detection, sentiment analys is, speech to text, etc.) to help archivists autom ate their workflows and avoiding repetitive tasks.	... whose entries sum to zero; this is an \(n-1\) dimensional subspace. The property that \(M^2=J\), along with special properties of \(J\), allows you to conclude that higher powers of \(M\) are all ju st multiples of \(J\); in particular, examining \(M^3=MJ=JM\) reveals that every node in the graph h as the same number of neighbors \(k\). So \(M^3 = kJ\). (And \(k^2 = n\) because \(k^2\) is the numb er of two-step paths, which lead uniquely to each node in the graph.) Notice that because of this ne ighbor property, \(M\) sends a column vector of al l ones to a column vector of all k's, so \(M\) has an eigenvalue \(k\). Based on the powers of \(M\), \(M\) furthermore has \((n-1)\) generalized eigenv ectors with eigenvalue zero. There are always exac tly \(n\) independent generalized eigenvalues, and we've just found all of them. Their sum is \(0+0+0 +\ldots+0+k = k\), which establishes the result. ⏎ The same procedure establishes a more general resu lt: If there's a unique r-step path between every pair of nodes in a graph, then every node has \(k\
Required Expertise = -1.50	**Required Expertise** = -0.49	**Required Expertise** = 0.66	**Required Expertise** = 1.58
... dvantage of the event to unveil the latest ver sions of their already existing models.Discover th e… ⏎ Volkswagen Tiguan: the Match special series i s coming ⏎ Like the Golf, the Volkswagen Tiguan be nefits from the special Match series before the im minent arrival of the restyled version in 2020. Th e Tiguan Match is available at a minimum price of $ 43,280 with the 2.0 TDI 150 engine. For the end of 2019, the Volkswagen Tiguan is adopting the spe cial… ⏎ Tesla range: increased power and route pla nning ⏎ True computers on wheels, Tesla models are regularly updated like a phone. After the big upda te "version 10.0", it is a lighter optimization, b ut not least, which is deployed. It concerns power and route planning. During the conference announci ng the good results of Tesla in the third quarter of 2019, which signals… ⏎ Peugeot e-Expert and Ope l Vivaro-e (2020). Utilities powered on ⏎ After th e Citroën e-Jumpy, PSA unveils the electric versio n of its compact utility vehicles. Available in tw o autonomies (200 and 300 km), the Opel Vivaro-e a	... igher prices. ⏎ Q: How long do I have to accep t the quote? ⏎ A: The email quote is valid for thi rty days. If you choose not to accept and pay the quote, your drive will be securely disposed 90 day s after the quote expiry date. You can request the return of your drive at any time during this perio d by contacting us with your quote reference numbe r, and paying a small return shipping fee. ⏎ Q: Ar e there any costs to me for the free evaluation pr ocess? ⏎ A: You will need to pay for the shipping of your hard drive so we can inspect it (average p rice of our recommended courier service is £4.49). If you choose not to accept the quote and want you r drive returned, you'll need to pay on average £6 .00 for tracked shipping. Other than those, there are no costs to you. No exceptions. ⏎ Q: How do I package my drive? ⏎ A: Hard drives are delicate de vices, and care must be taken when packaging them. Please ensure you follow the advice on how to ship your hard drive. ⏎ Q: Can I send my device via Roy al Mail or a different courier to that which you o	... nowledge of the airplane, and proceeded to the runway to observe the takeoff. On takeoff the engi ne sounded "strong and even," and that the airplan e popped up off the ground in a relatively flat at titude. This was followed by the mechanic stating that he heard a reduction in power and observed a slight sink, followed by an increase in power with a slight left roll and [ascent], then a decrease i n power with a sink/right roll/left yaw, then an i ncrease in power with hard left roll/left yaw. The airplane continued to sink until the left wing imp acted the ground off the left side of runway 4R. ⏎ The mechanic reported that about 10 minutes later the pilot called to inform him that he had crashed , which the mechanic told him he had witnessed. Ad ditionally, the mechanic stated that the pilot com mented to him that there was a problem with the fl ight controls, to which the mechanic stated that h e told the pilot that he did not believe that to b e the case, that he observed the aircraft react in all directions, and that it appeared that the pilo	... ed using frames so that the receiver can colle ct enough energy to recover the signal. Thus, the symbol duration is . The TH codes are integers cho sen from so that multiple users can access the cha nnel concurrently and the transmission time of th monocycle waveform is delayed with seconds. Due to the highly-frequency selective feature of UWB chan nel, the frame duration is chosen such that , wher e is the maximum excess delay of the channel. This condition eliminates intersymbol interference (ISI). The energy of one pulse is . ⏎ where is the cha nnel template, denotes the convolution operation a nd denotes the noise including multiple access int erference (MAI) and an additive white Gaussian noi se (AWGN) with zero mean and two-sided power spect ral density . The noiseless received signal energy in each frame is defined as and is proportional to the pulse energy . ⏎ Transmitted Reference (TR) with = 1 if is even, otherwise = . ⏎ Multi-Symbol Differential Encoder (MSDE) with and where is a m ulti-symbol block index and . ⏎ Multi-Symbol Tran