Contrastive Learning with Narrative Twins for Modeling Story Salience

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Abstract

Understanding narratives requires identifying which events are most salient for a story's progression. We present a contrastive learning framework for modeling narrative salience that learns story embeddings from *narrative twins*: stories that share the same plot but differ in surface form. Our model is trained to distinguish a story from both its narrative twin and a distractor with similar surface features but different plot. Using the resulting embeddings, we evaluate four narratologically motivated operations for inferring salience (deletion, shifting, disruption, and summarization). Experiments on short narratives from the ROCStories corpus and longer Wikipedia plot summaries show that contrastively learned story embeddings outperform a masked-language-model baseline, and that summarization is the most reliable operation for identifying salient sentences. If narrative twins are not available, random dropout can be used to generate the twins from a single story. Effective distractors can be obtained either by prompting LLMs or, in long-form narratives, by using different parts of the same story.[1]

1 Introduction

Understanding narratives involves identifying the relative salience of the events in the story (some authors use the equivalent term reportability, Prince 2003; Labov 1972). Events that convey information about the protagonists are often more salient than those of minor characters, for example. The most salient events form a causal chain around which the rest of the story is constructed (Labov, 1997).

Consider Larsson's (2005) murder-mystery novel, *The Girl with the Dragon Tattoo*. Salander and Blomkvist are solving a decades-long pattern of murders. Example (1) is an extract from a summary of a film adaptation. Papalampidi et al. (2019)

annotated the second and third sentences as turning points; in other words, these sentences were determined to be more narratively salient than the surrounding text.

(1) a. Henrik's brother Harald identifies Martin, Harriet's brother and operational head of the Vanger empire, as a possible suspect.
b. **Salander's research uncovers evidence that Martin and his deceased father, Gottfried, had committed the murders.**
c. **Blomkvist breaks into Martin's house to look for more clues, but Martin catches him and prepares to kill him.**
d. Martin brags about having killed women for decades, but denies killing Harriet.

NLP applications that process narratives benefit from modeling salience (Zhang et al., 2021). It has been found to be particularly useful for story summarization (Mihalcea and Ceylan, 2007; Ladhak et al., 2020; Papalampidi et al., 2021; Saxena and Keller, 2024). However, the question of how salience is best operationalized in a computational model has not been explored in a systematic fashion. It is unclear how to compute suitable representations (story embeddings) over which to infer salience, and what type of narrative operation is most suitable for identifying salient sentences.

This paper aims to address these gaps. We propose a model which learns story embeddings by contrasting a narrative with (a) a narrative which has the same plot but different surface features, and (b) a distractor which is superficially similar but has a different plot. Using the learned story embeddings, we compare four operations that have been proposed for narrative saliency detection: deletion, shifting, disruption, and summarization. Applying our approach to short narratives (ROCStories) and longer Wikipedia plot summaries, we find that story embeddings learned contrastively outper-

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[1] Code and data are available from `https://github.com/igorsterner/NarrativeTwins`.

form a masked-language-model baseline, and that summarization is the best operation for saliency detection.

2 Related Work

Narratologists generally assume that text is structured around main points that carry most of the meaning, with other points providing extra information to make the text coherent. In Barthes's (1966) theory of narrative structure, he calls the main points cardinal functions and the other points catalyses (others have used different terminology for similar concepts, e.g., Mann and Thompson 1988). The cardinal functions are by definition the most narratively salient events, and according to Barthes (1966) their **deletion** would change the story's interpretation the most. He also states that these events are the best possible **summary** of a story. In contrast, Labov and Waletzky (1967) argue that the most narratively salient events are those that are most resistant to **shifting**, i.e., to occurring anywhere other than their original position in the text. Todorov (1968) posits that the most salient events express a transition between equilibrium and disequilibrium. We interpret this as a version of surprise (Hale, 2001), and call it **disruption**.

Automatically determining the salience of a textual unit in a larger document is a long-standing research challenge (Luhn, 1958; Spärck Jones, 1972; Lin and Hovy, 2000; Liu et al., 2018). Recent work has trained supervised models based on silver-standard labels derived from units present in a document summary (Dunietz and Gillick, 2014; Liu et al., 2018; Saxena and Keller, 2024). Alternative approaches use unsupervised learning and model narrative salience via event co-occurrence around protagonists (Chambers and Jurafsky, 2008) or stylistic change features (Ouyang and McKeown, 2015). Otake et al. (2020) operationalize Barthes's (1966) deletion test with causal language models by measuring the reduction in probability when removing a sentence. Building on this, Wilmot and Keller (2021) apply the deletion test to book-length narratives based on a model that combines bi-directional story embeddings with retrieval-augmented generation and a memory model. They compare deletion with shifting, and find that shifting performs worse. Using bi-directional representations is also intuitive, because the salience of an event in a narrative may only become apparent with knowledge of the future context. Global similarity approaches rank sentences by centrality (e.g., TextRank, Mihalcea and Tarau, 2004) or by similarity to a whole-document representation (Zhong et al., 2020), and can be seen as an instantiation of Barthes's (1966) claim that the most narratively salient events will be the best summary of a story.

3 Contrastive Learning for Narratives

Text representations are standardly learned using a masked or causal language modeling objective. The resulting model can then be fine-tuned for a particular task using contrastive learning. In this work, we will test the hypothesis that better story representations can be obtained by training a model contrastively to distinguish between an original narrative, a narrative twin, and a distractor. Narrative twins are two versions of the same story. These two versions could be two translations of a story, a story and an adaptation of it, two summaries of the same story, and so on. The crucial ingredient is that the versions share the same plot but differ in surface form. The distractors are narratives that have similar surface features but a different plot.

Hatzel and Biemann (2024b) provide narrative twins in their *Tell me again!* dataset. It consists of plot summaries from different language versions of Wikipedia. The narratives from non-English versions were machine-translated into English and back-translations are filtered out (see Figure 2 in Hatzel and Biemann, 2024b, for example narrative twins). Hatzel and Biemann (2024a) fine-tune a language model with a contrastive objective, using narrative twins as positives and in-batch narratives as negatives. A problem that arises is that the narrative twins have large and shallow lexical overlap, e.g., in proper nouns. To counter this, Hatzel and Biemann (2024a) propose an augmentation strategy that substitutes entities in the narrative twins with random alternatives. They report on the usefulness of the resulting learned embeddings on various retrieval tasks. In our work, we will build on their overall approach, but apply it to determining salient sentences in narratives, and in particular, we will compare the performance of theoretically motivated salience operations (deletion, shifting, summarization, disruption) on contrastively learned narrative representations.

We will also pursue an alternative approach in which narrative twins are not based on different textual versions of the same story, but on different representations of a single, textually identical story.
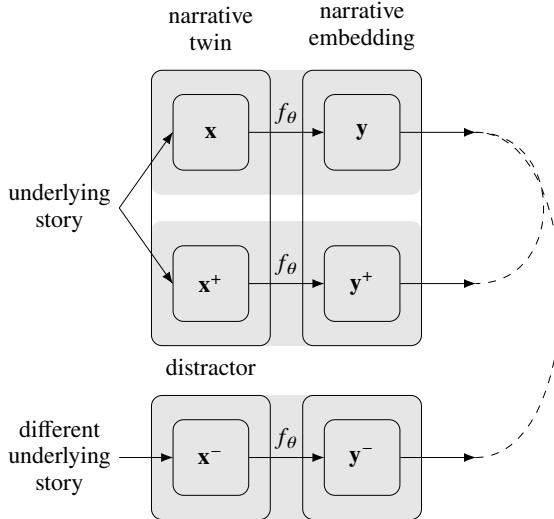
(a) Learning representations of narratives
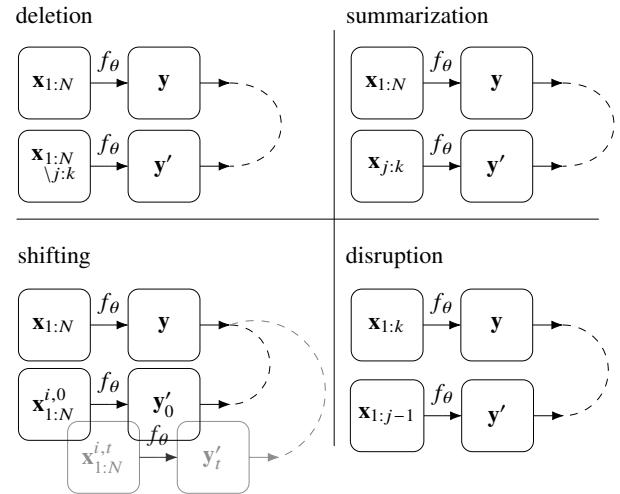
(b) Four modes of inferring salience (see Eqs. 1–4)

Figure 1: Left: Overview of contrastive training for learning narrative embeddings. Inputs are an anchor narrative $\mathbf{x}$, its narrative twin $\mathbf{x}^+$, and a distractor $\mathbf{x}^-$. A shared encoder f_θ generates embeddings. The embeddings are optimized with a contrastive loss to be similar for twins and dissimilar to distractors (and in-batch negatives). Right: At inference, we score the salience of each sentence via four theoretically motivated operations.

We use an approach that utilizes random dropout (Gao et al., 2021; Liu et al., 2021), and we call the result *dropout twins*. Dropout twins are two similar embeddings for the same story, generated by passing the story through a neural model twice with different random dropout. We hypothesize that dropout twins approximate narrative twins at the representation level.

In contrastive learning, the negative pairs (the distractors) also play an important role (Xu et al., 2022). Hatzel and Biemann (2024a) use random in-batch negatives, i.e., unrelated narratives. Their assumption is thus that distinguishing a story's narrative twin from many unrelated stories requires a complete understanding of the story. Mu and Li (2024) argue that this assumption is implausible, and that random negative narratives are too easily distinguishable. For their task of modeling narrative coherence, they show that hard negative samples with lower coherence can be generated by applying perturbations to positive samples. For our task of modeling narrative salience, we hypothesize that the best negative samples will be coherent narratives with similar surface features but a different plot.

4 The Model

Our experiments address two research questions: (1) Which of the theoretically proposed operations (deletion, shifting, disruption, summarization) best

predicts narrative salience? (2) Does a model trained to make embeddings of narrative twins similar perform better under these operations than a model that does not exploit narrative twins?

Figure 1a shows the model that we propose for the task. The inputs to the model are an anchor narrative $\mathbf{x}$, its narrative twin $\mathbf{x}^+$, and a distractor negative $\mathbf{x}^-$. The key requirement for the narrative twin is that it has the same underlying story as the anchor narrative. In this respect, the twin could also be a dropout twin; this removes the burden of narrative twins needing to be available for training. Meanwhile, the key requirement for the distractor negative is that superficially it is similar to the anchor, i.e., the same characters and setting, similar actions and events. However, in the distractor the underlying story must be different.

For each narrative, $\mathbf{x}$, $\mathbf{x}^+$ and $\mathbf{x}^-$ is transformed independently with a bi-directional embedding model f_θ into story embeddings $\mathbf{y}$, $\mathbf{y}^+$ and $\mathbf{y}^-$. The learning objective is a contrastive loss that makes $\mathbf{y}$ similar to $\mathbf{y}^+$ and different from $\mathbf{y}^-$ as well as from all other in-batch stories. In all of our experiments we use the standard InfoNCE loss (Gutmann and Hyvärinen, 2010; van den Oord et al., 2019).

We use the resulting story embeddings to infer narrative salience and operationalize the four narrative operations as follows (see Figure 1b). Consider a narrative consisting of a sequence of tokens,

$\mathbf{x}_{1:n}$. Let s_i be the salience of sentence i, which is tokenized into indices j until k (inclusive) in $\mathbf{x}$.

Deletion: similarity between the embedding of the whole story and embedding of the story with one sentence removed:

$$s_i^{del} = 1 - \text{sim}\left(f_\theta(\mathbf{x}_{1:N}), f_\theta(\mathbf{x}_{1:N\setminus j:k})\right) \quad (1)$$

Shifting: average similarity between the embedding of the whole story and the embedding of that story with sentence i shifted to each of every other position. Let $\mathbf{x}^{i,t}$ be $\mathbf{x}$ with sentence i shifted to be prior to sentence t:

$$s_i^{shi} = 1 - \frac{1}{Z_i} \sum_{t \neq i} \text{sim}\left(f_\theta(\mathbf{x}_{1:N}), f_\theta(\mathbf{x}_{1:N}^{i,t})\right) \quad (2)$$

Disruption: similarity between the story up to and including sentence i, and up to but not including sentence i (recall i is tokenized into indices j to k):[2]

$$s_i^{dis} = 1 - \text{sim}\left(f_\theta(\mathbf{x}_{1:k}), f_\theta(\mathbf{x}_{1:j-1})\right) \quad (3)$$

Summarization: similarity between the embedding of the whole story and the embedding of sentence i:

$$s_i^{sum} = \text{sim}\left(f_\theta(\mathbf{x}_{1:N}), f_\theta(\mathbf{x}_{j:k})\right) \quad (4)$$

A range of similarity measures can be applied in these operationalizations of salience; here, we use cosine similarity, which is widely used for comparing embeddings.

Our training and inference methods need to be extended for long narratives, for two reasons: (1) As the narratives get longer, the resulting embeddings are less likely to represent the whole input narrative (as opposed to a subsection of it). (2) The operations used for inference of narrative salience scale in $O(N)$ (deletion and disruption) or $O(N^2)$ (shifting) time with the number of input sentences N.

We address this by adjusting the resolution at which the contrastive comparisons are being made. For intuition, consider learning from a whole book, a narrative twin of the book, and a negative distractor. Rather than comparing embeddings of the whole books, our proposed intervention is to compare embeddings at, for instance, the chapter level. The role of f_θ is thus to generate contextualized chapter embeddings, and Chapter c of the book is compared with Chapter c of the twin and Chapter c

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[2]This implementation offers a measure specific to the contribution of sentence i and is a standard formulation of surprisal extended to the sentence-level.

of the negative distractor. In the following, we will refer to *windows* instead of chapters.

Our approach is operationalizable with current embedding models, because they generate a contextualized embedding for each token in the input. f_θ thus pools token representations for each window (see Günther et al., 2025) in aligned $\mathbf{y}$, $\mathbf{y}^+$ and $\mathbf{y}^-$. The contrastive comparison for training is then made at the window level. The operations used for inference are also applied at the window level, e.g., for deletion we delete each sentence in the window one at a time and compare window embeddings before and after the operation.

Different windows within a single narrative involve the same characters, will frequently have similar settings, and yet convey a different plot. We hypothesize that the different windows within a narrative can serve as the distractors in the contrastive comparisons (see Conti et al., 2025). We will call them *in-story negatives*.

5   Experiment 1: ROCStories

Our first experiment is as simple and controlled as possible, using short-form narratives. We use the ROCStories dataset (Mostafazadeh et al., 2016) of human-written, English five-sentence stories, such as:

(2) a. Ricky was playing tennis with Bob.
   b. **Bob served the ball and hit Ricky right in the head!**
   c. Ricky fainted on the tennis court.
   d. Bob gave Ricky some water to drink.
   e. Ricky felt better after resting for awhile.

Sentence (2-b) is the narrative peak of the story; it describes the most important, most salient event. Removing this sentence (deletion) affects our interpretation of the story far more than removing other sentences, because we would be left confused as to why the subsequent events occurred. The sentence also summarizes the entire story well (summarization), is surprising (disruption) and – perhaps more debatably – is most resistant to being shifted to any other position in the story (shifting).

In many stories, the presence of a single narrative peak sentence is less clear than in the above example, because the peak spans more than one sentence or there is no unique clear peak. Our approach follows prior work on narrative salience (Liu et al., 2018; Otake et al., 2020; Wilmot and Keller, 2021) in viewing the problem as a ranking task.

5.1 Annotation Methodology

To evaluate our models, we collect human annotation of what participants determine is the most salient sentence in each five-sentence story. This is an easier task than asking annotators to produce a full ranking of all sentences. For each story, we collect multiple such annotations, and then compute a ranking of each sentence based on how many annotators selected it. The full guidelines given to participants can be found in Appendix C.

Each of 500 stories received five annotations from crowd-workers (10 annotations were obtained from each of 250 US/UK crowd-workers). All participants are required to complete a comprehension check prior to the study in which they match five summaries with five stories. They then each annotate 10 stories. We only keep data from participants who passed the comprehension test ($236/250 = 94.4\%$ of participants). We split the evaluation set in half for validation and testing. The dataset along with the human-written summaries is publicly available (see Footnote 1), but we will not use the summaries further here.

The mean entropy over the labels in each story is 1.02, corresponding to a perplexity of $2^{1.02} \approx 2.03$. This shows that on average annotators behave as if there are approximately two equally likely options per story. For a measurement of human agreement on the task, a subset of 50 of the test stories was double annotated. This involved collecting a further five annotations for each story in the subset (a further 250 annotations). Agreement was measured at $\rho = 0.50$ (Spearman rank correlation), indicating reasonable agreement. Evidently there is some subjectivity in the task, and we assume that limiting the human annotation to five ratings per story introduces some noise.

5.2 Metrics and Significance Testing

As our metric of performance, we compare the ranking from a model's salience predictions with the human ranking, again using Spearman's rank correlation. As a secondary measure, we compute area under the curve (AUC). AUC is a metric from information retrieval which measures the proportion of relevant and irrelevant sentences for which the predicted saliency of the relevant sentence is greater than that of the irrelevant sentence. For our purposes, we consider a sentence with at least one human saliency label as relevant; all others are irrelevant.

In this paper, we test differences in performance for significance with a paired, two-tailed permutation test, approximated by $N = 10,000$ with significance threshold $\alpha = 0.05$. We repeat all training runs across three random seeds, and repeat LLM prompts three times; the significance tests are based on the median runs. In our tables, systems that are statistically better than the most other systems within a group are in bold.

5.3 Narrative Twins and Negatives

When the authors of the ROCStories wrote five-sentence stories, they most likely imagined a plot that is more elaborate than the final events they expressed in the story. With this inspiration, we first prompt an LLM (GPT-4.1 MINI) to generate a verbose version of the story, in which many more possible events are verbalized. We then independently prompt the same LLM to generate a five-sentence story based on the verbose story, which serves as the narrative twin. For the negatives, we prompt the same LLM to generate a new five-sentence story that changes the main event and keeps other events similar. We generate twins and negatives for 20,000 ROCStories, resulting in our training corpus. Prompts and example outputs are in Appendix D.1.

5.4 Training

The embedding model f_θ is a Transformer initialized with the weights of BERT (Devlin et al., 2019). We train on all samples in our training corpus for five epochs, using a batch size of 128 and a learning rate of 3e-5. We use the AdamW optimizer (Loshchilov and Hutter, 2019) and for the contrastive loss we use a temperature of 0.05. The Transformer generates as output contextualized embeddings for each token in the input. To obtain narrative embeddings, we apply a mean pooling operation to this output.

We compare three approaches. The first continues the pre-training objective of masked language modeling on our training set (including all twins and distractors). The second uses our proposed model, with dropout twins as positive pairs. The third uses the same model but with narrative twins as positive pairs. Crucially, all three approaches are trained based on exactly the same data.

5.5 Baselines and LLM Prompting

We provide three naive baselines: (1) assigning a random value as the saliency of each sentence, (2) assigning the sentences monotonically increasing saliency, and (3) assigning them monotonically

Table 1: Results on ROCStories test set. We report mean ± one standard deviation (computed across three different random seeds). In bold are the winning results according to permutation-based significance tests (see main text).

	Deletion		Shifting		Disruption		Summarization	
	ρ	AUC	ρ	AUC	ρ	AUC	ρ	AUC
MASKED LM	$0.20_{\pm0.01}$	$0.61_{\pm0.01}$	$0.17_{\pm0.04}$	$0.59_{\pm0.02}$	$-0.14_{\pm0.00}$	$0.42_{\pm0.00}$	$0.21_{\pm0.01}$	$0.62_{\pm0.01}$
DROPOUT TWINS	$0.37_{\pm0.01}$	$0.70_{\pm0.01}$	$0.25_{\pm0.01}$	$0.63_{\pm0.00}$	$0.06_{\pm0.01}$	$0.53_{\pm0.01}$	$0.35_{\pm0.01}$	$0.70_{\pm0.00}$
NARRATIVE TWINS	$0.38_{\pm0.00}$	$0.70_{\pm0.00}$	$0.31_{\pm0.01}$	$0.66_{\pm0.00}$	$0.13_{\pm0.00}$	$0.57_{\pm0.00}$	$\mathbf{0.44}_{\pm0.01}$	$\mathbf{0.76}_{\pm0.00}$

Table 2: ROCStories human, baseline and LLM prompting results on the test set. Human results based on a doubly annotated subset of the test set. Baseline results based on assigning salience scores that are iid randomly sampled or monotonically increasing/decreasing for each sentence. LLM prompting results using two strategies: same instructions as for human judgments; instruction to assign each sentence a global salience score. In bold are the winning results in each group according to permutation-based significance tests (see main text).

	ρ	AUC
HUMAN	0.50	0.74
RANDOM	$0.00_{\pm0.03}$	$0.50_{\pm0.02}$
INCREASING	**0.29**	**0.65**
DECREASING	-0.29	0.35
annotator-style prompting		
GPT-4.1 MINI	$\mathbf{0.51}_{\pm0.01}$	$\mathbf{0.71}_{\pm0.00}$
GPT-4.1	$\mathbf{0.53}_{\pm0.00}$	$\mathbf{0.71}_{\pm0.00}$
salience-style prompting		
GPT-4.1 MINI	$0.45_{\pm0.01}$	$0.75_{\pm0.00}$
GPT-4.1	$\mathbf{0.52}_{\pm0.01}$	$\mathbf{0.79}_{\pm0.01}$

decreasing saliency. As an upper bound, we provide the performance of a state-of-the-art LLM, using two different approaches to prompt it. The first approach directly follows how our evaluation data was annotated: we provided the full annotation guidelines (with its two examples) and asked for a single label of the most important sentence. We repeat the prompt (with a temperature of 1.0) ten times for each story and derive the ranking in the same way as performed for the evaluation data. The second approach is to directly prompt the model to assign a saliency score to each sentence. In the prompt, we defined saliency as the likelihood that information in a sentence would be included by someone else telling the same story.

The performance of these approaches is provided in Table 2. Random performance is $\rho = 0.00$ and AUC = 0.50. Unsurprisingly, the baseline of salience increasing monotonically results in better performance ($\rho = 0.29$ and AUC = 0.69); clearly there is

a bias in our data of the most salient sentences occurring towards the end of stories. In terms of prompted LLMs, both approaches perform well. Given that the first approach closely mimics the human annotation procedure, we expected it to perform best. However, we find that for the best performing LLM (GPT-4.1) the second approach is either statistically indistinguishable or better. The mean perplexity of the LLM labels from the first prompting method is 1.33 and 1.18 (for GPT-4.1 MINI and GPT-4.1), a large reduction from the mean perplexity of the human labels (2.03). The decreased variation in the labels may make this prompting method less suitable here.

5.6 Results

Results for the three main training methods and four operations are in Table 1. For every operation, using narrative twins results in performance that is statistically better (shifting, disruption, summarization) or indistinguishable from the next best (deletion). The overall winning operation is the summarization test ($\rho = 0.44$, AUC = 0.76). This result is significantly better or statistically indistinguishable from using GPT-4.1 MINI in the two prompting setups (ρ: $p = 0.062$, $p = 0.670$; AUC: $p = 0.006$, $p = 0.957$). In all cases it is significantly worse than prompting GPT-4.1.

The next-best operation is deletion, followed by shifting, and last is disruption. Appendix Figure 2 shows the validation performance at checkpoints throughout training. For the methods using twins, performance increases monotonically for all operations. Masked LM either leads to small improvements, or performance is constant. In terms of qualitative results, Appendix B shows the salience scores predicted by each operation on the two stories in our guidelines (the first one is Example (2)).

A requirement for good performance is a large enough (by $|\theta|$) embedding model: Appendix Figure 3 shows validation performance for the operations increasing with increased embedding model size (we used the BERT tiny, mini, small, medium,

base and large models, Turc et al., 2019; Devlin et al., 2019). Appendix Table 4 shows the results of four ablations: (1) using the CLS token instead of mean pooling, (2) training without negative distractors, (3) substituting entities in the positive narrative twins according to Hatzel and Biemann (2024a), (4) directly applying the operations to the pre-trained model without further training.

6 Experiment 2: Wikipedia Narratives

We now apply our model to longer-form narratives, using our proposed model extension to windows (see Section 4). We looked for a narrative domain with an established benchmark related to predicting saliency. A frequently investigated domain is Wikipedia summaries of movie plots. One reason that they are an attractive domain for research is that they are written to conform to a standard template; hence they are uniform in terms of structure, style and length. We use Papalampidi et al.'s (2019) dataset of 99 Wikipedia narratives: in each summary, five sentences are annotated as turning points. We consider these to be narratively most salient.

6.1 Narrative Twins and Negatives

Rather than generating retellings using an LLM as in Experiment 1, we obtain narrative twins from Hatzel and Biemann's (2024b) dataset (see Section 3). We use twins where the English Wikipedia narrative is of length greater than or equal to 20 sentences and the non-English Wikipedia narrative is of length within one standard deviation (13.7 sentences) of the English one. If more than one twin is available for the same narrative, we randomly select one.

We align the English Wikipedia sentence sequence $A = (a_1, \ldots, a_n)$ to the twin sequence $B = (b_1, \ldots, b_m)$ via dynamic time warping over sentence similarities. We use the sentence encoder from Gao et al. (2021). Let s_{ij} be the cosine similarity between a_i and b_j. We obtain the optimal monotonic path $P^\star = \arg\max_P \sum_{(i,j) \in P} s_{ij}$. We compute this exactly in $O(nm)$ time with dynamic programming, as per the established protocol for this kind of alignment.

We split the Wikipedia sentence sequence into five evenly spaced windows (each window is thus ≥ 4 sentences). The alignment $P^\star$ provides the aligned windows in the twin. We only keep twins for which every aligned window is ≥ 3 sentences. We include each source narrative in an LLM (GPT-5 MINI) prompt and obtain a negative distractor. In our

prompt, we are prescriptive about each of the turning points and tell the model to change the turning points and hence underlying story. Meanwhile, the LLM is instructed to keep all of the same characters, settings, and to integrate the existing minor events as a logical part of the new story. For a test of one of our hypotheses, we will compare performance using these LLM hard negatives with and without also using in-story negatives (see Section 4). The LLM prompt we use is in Appendix D.2. In total, we have 2.2k narrative twins and negatives.

6.2 Training

The Wikipedia narratives are much longer than the earlier ROCStories (mean length 33.9 ± 9.1 sentences). As a base Transformer pre-trained to handle sufficiently long context, we use Modern-BERT (Warner et al., 2025). The training procedure of this model involves sequences of length 1,024 and subsequently 8,192 tokens. We use the 1B parameter pre-trained ModernBERT model from Weller et al. (2025). The model takes each complete Wikipedia narrative as input. A representation of each window in the narrative is obtained by mean pooling the tokens associated with the window. The training objective is for a window embedding to be similar to the window embedding in the twin, and different from every other window representation in the twin (if in-story negatives are used) and every other in-batch window representation. We use the same training parameters as for our earlier experiment on ROCStories. The only difference is that we reduce the batch size to 16, or 4 for ablation runs.[3]

6.3 Metrics

For evaluation, we only have access to the single-sentence labels of the turning points, so ranking-based ρ cannot be used. On average, the five labels are spread evenly throughout the narratives. Following Papalampidi et al.'s (2019) evaluation protocol, we thus treat each window as having exactly one most salient sentence (the corresponding turning point). Rather than giving a score of zero to all models, we simply ignore windows where each label is outside the window (29% of windows). For the remaining windows, we compare system saliency scores with the turning point label using AUC. Since there is only one label, AUC corresponds to the

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[3] All main experiments were performed on a single H200 GPU with 141GB of RAM, and ablations were performed on a single L40S GPU. For the long-form narrative experiments, we used flash attention v2.

Table 3: Results on salience detection in Wikipedia narratives. All results are AUC scores averaged across five windows per story. In bold are the best performing approaches in each group, according to permutation-based significance tests. We report mean ± one standard deviation (computed across three different random seeds). In bold are the winning results in each group according to permutation-based significance tests (see main text).

(b) Main results

	Deletion	Shifting	Disruption	Summariz.
	avg. AUC	avg. AUC	avg. AUC	avg. AUC
LLM-negatives + in-story negatives				
MASKED LM	$0.56_{\pm 0.00}$	$0.54_{\pm 0.00}$	$0.49_{\pm 0.00}$	$0.60_{\pm 0.00}$
DROPOUT TWINS	$0.58_{\pm 0.00}$	$0.58_{\pm 0.00}$	$0.53_{\pm 0.00}$	$0.63_{\pm 0.01}$
NARRATIVE TWINS	$0.60_{\pm 0.01}$	$0.60_{\pm 0.00}$	$0.54_{\pm 0.00}$	$\mathbf{0.65}_{\pm 0.00}$
Only in-story negatives				
MASKED LM	$0.56_{\pm 0.00}$	$0.54_{\pm 0.00}$	$0.49_{\pm 0.00}$	$0.59_{\pm 0.00}$
DROPOUT TWINS	$0.56_{\pm 0.00}$	$0.57_{\pm 0.00}$	$0.53_{\pm 0.00}$	$\mathbf{0.65}_{\pm 0.00}$
NARRATIVE TWINS	$0.60_{\pm 0.01}$	$0.60_{\pm 0.01}$	$0.54_{\pm 0.00}$	$\mathbf{0.66}_{\pm 0.00}$

(a) Baselines and LLM prompting

	avg. AUC
RANDOM	$0.50_{\pm 0.02}$
INCREASING	**0.56**
DECREASING	0.44
GPT-4.1 MINI	$0.70_{\pm 0.01}$
GPT-4.1	$\mathbf{0.76}_{\pm 0.00}$
GPT-5 MINI	$0.72_{\pm 0.01}$
GPT-5	$\mathbf{0.76}_{\pm 0.00}$

proportion of sentences in the window predicted to be less salient than the labeled sentence divided by the total number of sentences in the window.

6.4 Baselines and LLM Prompting

We provide the same three baselines as our earlier experiments on ROCStories: random, increasing and decreasing. Given the effectiveness of the earlier LLM salience-style prompting, we repeat it here to obtain an upper limit. We use an identical prompt, with the only difference that the number of sentences in the input is longer and can vary.

Results are shown in Table 3a. Increasing saliency is the best baseline (AUC = 0.56). The prompted LLMs perform better (best AUC = 0.76). There is no improvement between comparable versions of GPT-4.1 and GPT-5; in both cases the largest model performs better than MINI (AUC +0.06; +0.04).

6.5 Results

Our main results are given in Table 3b. The narrative operation that is best predicting saliency is again summarization (for every row, differences between summarization and other operations are significant, $p < 0.05$). We observe no statistical difference between using both LLM-generated negatives together with in-story negatives and using only in-story negatives (except dropout twins with summarization for which adding the LLM negatives leads to a significant reduction in performance, $p = 0.040$) . In both cases, for the summarization operation, dropout twins and narrative twins are also statistically indistinguishable. This is evidence in support of our hypothesis that dropout twins can be used to generate narrative twins at the representa-

tion level. Furthermore, the success of the in-story negatives supports our hypothesis that this approach can serve as a method of adding hard negatives into the contrastive learning on long-form narratives. Indeed with dropout twins and only in-story negatives we have achieved our joint-best results in a fully self-supervised setup.

The joint second-best operations are deletion and shifting, which are indistinguishable for both twin approaches. Meanwhile the disruption operation is again significantly worse. This is the same ordering of the performance of the operations as Experiment 1 (modulo deletion and shifting being distinguishable on ROCStories, but not here). For all operations, using narrative twins is significantly better than masked LM training (all $p < 0.01$). This result shows that the contrastive training is providing a learning signal that is useful to the task.

We performed two ablations: One in which we remove the negative distractors from the contrastive loss, and another where we additionally use Hatzel and Biemann's entity-substitution strategy (see Appendix A.2 for details). These ablations show performance degradations, which aligns with our expectation that negative distractors are vital for the contrastive learning on long-form narratives. Appendix B shows the salience scores predicted by each of the operations on narrative (1), from *The Girl With A Dragon Tattoo*.

7 Conclusions and Future Work

In this work, we showed how to train story embeddings using narrative twins. We demonstrated that these embeddings perform well in the task of determining what is salient in a story. This was

complemented by an investigation of which operationalizations of salience proposed in narratology perform best. We found that the summarization test works best both on five-sentence narratives (ROCStories) and on longer narratives (Wikipedia plot summaries). This test selects the sentence that best summarizes the story, and can be computed by comparing the embedding of each sentence with the embedding of the whole narrative.

Our experiments also showed that if narrative twins are not available, dropout twins are a good substitute. Dropout twins are computed automatically from the original narrative, because they constitute two embeddings of the same story that differ because different random dropout values have been used in the embedding model.

In both of our experiments, the annotations we used for narrative salience were at the sentence-level. However, a sentence may contain more than one event, and those events will frequently have different salience. Narrative salience is also hierarchical (Barthes, 1966; Cohn, 2013): climactic chapters are typically more salient than other chapters, and narratives have high-level themes that are salient. Further experimentation would require new annotation at these levels. This connects to future work on training a model contrastively at different levels (e.g., sentences as well as windows).

The longest-form narratives we explored in this work were Wikipedia narratives, which are on average 34 sentences long. Meanwhile many real-world narratives are much longer. We expect that with increasing length it will not be possible to rely on LLMs for labels of global scores of narrative salience. Instead, the application of the model and operations presented in this work is more feasible.

Limitations

We have shown that the performance of the narrative operations depend on how the embeddings are generated. We aimed for a controlled comparison between the operations, but our results may only hold for the methodologies that we have tested here for generating the embeddings.

Furthermore, a component required for the success of our model is the use of negative distractor narratives. For our experiments with short-form narratives, the only approach we proposed to obtain such distractors was by prompting LLMs. Our prompt explicitly stated that the LLM should prioritize changing important events. In this way, here

we have injected a form of weak LLM supervision into our model.

Ethical Considerations

Acknowledgements

References

Jimmy Lei Ba, Jamie Ryan Kiros, and Geoffrey E. Hinton. 2016. Layer normalization. *Preprint*, arXiv:1607.06450v1.

Roland Barthes. 1966. Introduction à l'analyse structurale des récits. *Communications*, 8(1):1–27. Translated in: An Introduction to the Structural Analysis of Narrative, New Literary History, 1975.

Nathanael Chambers and Dan Jurafsky. 2008. Unsupervised learning of narrative event chains. In *Proceedings of the 46th Annual Meeting of the Association for Computational Linguistics*, pages 789–797, Columbus, Ohio. Association for Computational Linguistics.

Neil Cohn. 2013. Visual narrative structure. *Cognitive science*, 37(3):413–452.

Max Conti, Manuel Faysse, Gautier Viaud, Antoine Bosselut, Celine Hudelot, and Pierre Colombo. 2025. Context is gold to find the gold passage: Evaluating and training contextual document embeddings. In *Proceedings of the 2025 Conference on Empirical Methods in Natural Language Processing*, pages 22605–22619, Suzhou, China. Association for Computational Linguistics.

Jacob Devlin, Ming-Wei Chang, Kenton Lee, and Kristina Toutanova. 2019. BERT: Pre-training of deep bidirectional transformers for language understanding. In *Proceedings of the 2019 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies: Volume 1 (Long and Short Papers)*, pages 4171–4186, Minneapolis, Minnesota. Association for Computational Linguistics.

Jesse Dunietz and Daniel Gillick. 2014. A new entity salience task with millions of training examples. In *Proceedings of the 14th Conference of the European Chapter of the Association for Computational Linguistics: Volume 2 (Short Papers)*, pages 205–209, Gothenburg, Sweden. Association for Computational Linguistics.

Tianyu Gao, Xingcheng Yao, and Danqi Chen. 2021. SimCSE: Simple contrastive learning of sentence embeddings. In *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*, pages 6894–6910, Online and Punta Cana, Dominican Republic. Association for Computational Linguistics.

Michael Gutmann and Aapo Hyvärinen. 2010. Noise-contrastive estimation: A new estimation principle for unnormalized statistical models. In *Proceedings of the thirteenth international conference on artificial intelligence and statistics*, pages 297–304. JMLR Workshop and Conference Proceedings.

Michael Günther, Isabelle Mohr, Daniel James Williams, Bo Wang, and Han Xiao. 2025. Late chunking: Contextual chunk embeddings using long-context embedding models. *Preprint*, arXiv:2409.04701v3.

John Hale. 2001. A probabilistic Earley parser as a psycholinguistic model. In *Second Meeting of the North American Chapter of the Association for Computational Linguistics*, Pittsburgh, Pennsylvania, USA. Association for Computational Linguistics.

Hans Ole Hatzel and Chris Biemann. 2024a. Story embeddings — narrative-focused representations of fictional stories. In *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing*, pages 5931–5943, Miami, Florida, USA. Association for Computational Linguistics.

Hans Ole Hatzel and Chris Biemann. 2024b. Tell me again! a large-scale dataset of multiple summaries for the same story. In *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation*, pages 15732–15741, Torino, Italia. ELRA and ICCL.

William Labov. 1972. The transformation of experience in narrative syntax. In *Language in the Inner City*, pages 354–396. University of Pennsylvania Press, Philadelphia.

William Labov. 1997. Some further steps in narrative analysis. *Journal of Narrative and Life History*, 7:395–415.

William Labov and Joshua Waletzky. 1967. Narrative analysis: Oral versions of personal experience. In *Essays on the Verbal and Visual Arts*, pages 12–44. University of Washington Press, Seattle, WA.

Faisal Ladhak, Bryan Li, Yaser Al-Onaizan, and Kathleen McKeown. 2020. Exploring content selection in summarization of novel chapters. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pages 5043–5054, Online. Association for Computational Linguistics.

Stieg Larsson. 2005. *Män som hatar kvinnor [The Girl with the Dragon Tattoo]*. Norstedts, Stockholm.

Chin-Yew Lin and Eduard Hovy. 2000. The automated acquisition of topic signatures for text summarization. In *Proceedings of the 2015 International Conference on Computational Linguistics: Volume 1*.

Fangyu Liu, Ivan Vulić, Anna Korhonen, and Nigel Collier. 2021. Fast, effective, and self-supervised: Transforming masked language models into universal lexical and sentence encoders. In *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*, pages 1442–1459, Online and Punta Cana, Dominican Republic. Association for Computational Linguistics.

Zhengzhong Liu, Chenyan Xiong, Teruko Mitamura, and Eduard Hovy. 2018. Automatic event salience identification. In *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing*, pages 1226–1236, Brussels, Belgium. Association for Computational Linguistics.

Ilya Loshchilov and Frank Hutter. 2019. Decoupled weight decay regularization. In *Proceedings of the 7th International Conference on Learning Representations*.

Hans Peter Luhn. 1958. The automatic creation of literature abstracts. *IBM Journal of Research and Development*, 2(2):159–165.

William C Mann and Sandra A Thompson. 1988. Rhetorical structure theory: Toward a functional theory of text organization. *Text-interdisciplinary Journal for the Study of Discourse*, 8(3):243–281.

Rada Mihalcea and Hakan Ceylan. 2007. Explorations in automatic book summarization. In *Proceedings of the 2007 Joint Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning (EMNLP-CoNLL)*, pages 380–389, Prague, Czech Republic. Association for Computational Linguistics.

Rada Mihalcea and Paul Tarau. 2004. TextRank: Bringing order into text. In *Proceedings of the 2004 Conference on Empirical Methods in Natural Language Processing*, pages 404–411, Barcelona, Spain. Association for Computational Linguistics.

Nasrin Mostafazadeh, Nathanael Chambers, Xiaodong He, Devi Parikh, Dhruv Batra, Lucy Vanderwende, Pushmeet Kohli, and James Allen. 2016. A corpus and cloze evaluation for deeper understanding of commonsense stories. In *Proceedings of the 2016 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*, pages 839–849, San Diego, California. Association for Computational Linguistics.

Feiteng Mu and Wenjie Li. 2024. Generating contrastive narratives using the brownian bridge process for narrative coherence learning. In *Proceedings of the 62nd Annual Meeting of the Association for Computational Linguistics: Volume 1 (Long Papers)*, pages 6538–6555, Bangkok, Thailand. Association for Computational Linguistics.

Takaki Otake, Sho Yokoi, Naoya Inoue, Ryo Takahashi, Tatsuki Kuribayashi, and Kentaro Inui. 2020. Modeling event salience in narratives via Barthes' cardinal functions. In *Proceedings of the 28th International Conference on Computational Linguistics*, pages 1784–1794, Barcelona, Spain (Online). International Committee on Computational Linguistics.

Jessica Ouyang, Serina Chang, and Kathy McKeown. 2017. Crowd-sourced iterative annotation for narrative summarization corpora. In *Proceedings of the 15th Conference of the European Chapter of the Association for Computational Linguistics: Volume 2, Short Papers*, pages 46–51, Valencia, Spain. Association for Computational Linguistics.

Jessica Ouyang and Kathleen McKeown. 2015. Modeling reportable events as turning points in narrative. In *Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing*, pages 2149–2158, Lisbon, Portugal. Association for Computational Linguistics.

Pinelopi Papalampidi, Frank Keller, and Mirella Lapata. 2019. Movie plot analysis via turning point identification. In *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP)*, pages 1707–1717, Hong Kong, China. Association for Computational Linguistics.

Pinelopi Papalampidi, Frank Keller, and Mirella Lapata. 2021. Movie summarization via sparse graph construction. In *The Thirty-Fifth AAAI Conference on Artificial Intelligence*, pages 5784–5792. AAAI Press.

Gerald Prince. 2003. *A Dictionary of Narratology*. University of Nebraska Press, Lincoln and London.

Rohit Saxena and Frank Keller. 2024. Select and summarize: Scene saliency for movie script summarization. In *Findings of the Association for Computational Linguistics: NAACL 2024*, pages 3439–3455, Mexico City, Mexico. Association for Computational Linguistics.

Karen Spärck Jones. 1972. A statistical interpretation of term specificity and its application in retrieval. *Journal of Documentation*, 28(1):11–21.

Tzvetan Todorov. 1968. La grammaire du récit. *Langages*, 12:94–102. Translated in: The Poetics of Prose, Chapter 8, Cornell University Press, 1977.

Iulia Turc, Ming-Wei Chang, Kenton Lee, and Kristina Toutanova. 2019. Well-read students learn better: On the importance of pre-training compact models. *Preprint*, arXiv:1908.08962v2.

Aaron van den Oord, Yazhe Li, and Oriol Vinyals. 2019. Representation learning with contrastive predictive coding. *Preprint*, arXiv:1807.03748v2.

Benjamin Warner, Antoine Chaffin, Benjamin Clavié, Orion Weller, Oskar Hallström, Said Taghadouini, Alexis Gallagher, Raja Biswas, Faisal Ladhak, Tom Aarsen, Griffin Thomas Adams, Jeremy Howard, and Iacopo Poli. 2025. Smarter, better, faster, longer: A modern bidirectional encoder for fast, memory efficient, and long context finetuning and inference. In *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics*, pages 2526–2547, Vienna, Austria. Association for Computational Linguistics.

Orion Weller, Kathryn Ricci, Marc Marone, Antoine Chaffin, Dawn Lawrie, and Benjamin Van Durme. 2025. Seq vs seq: An open suite of paired encoders and decoders. *Preprint*, arXiv:2507.11412v1.

David Wilmot and Frank Keller. 2021. Memory and knowledge augmented language models for inferring salience in long-form stories. In *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*, pages 851–865, Online and Punta Cana, Dominican Republic. Association for Computational Linguistics.

Lanling Xu, Jianxun Lian, Wayne Xin Zhao, Ming Gong, Linjun Shou, Daxin Jiang, Xing Xie, and Ji-Rong Wen. 2022. Negative sampling for contrastive representation learning: A review. *Preprint*, arXiv:2206.00212v1.

Xiyang Zhang, Muhao Chen, and Jonathan May. 2021. Salience-aware event chain modeling for narrative understanding. In *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*, pages 1418–1428, Online and Punta Cana, Dominican Republic. Association for Computational Linguistics.

Ming Zhong, Pengfei Liu, Yiran Chen, Danqing Wang, Xipeng Qiu, and Xuanjing Huang. 2020. Extractive summarization as text matching. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pages 6197–6208, Online. Association for Computational Linguistics.
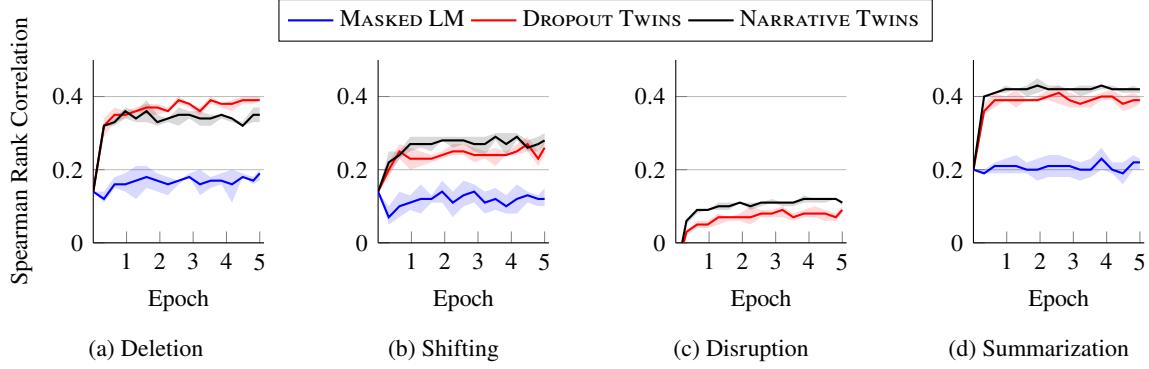
Figure 2: Validation performance on ROCStories throughout training. Curves show Spearman rank correlation (which has range [-1, 1]; random is 0.0; higher is better) between model-predicted salience and human rankings. All models are trained with the same data. In blue is a model trained with masked language modeling. In red is a model trained with contrastive learning and positives derived from applying different random dropout on the same input. Black line represents model trained with textual narrative twins.

A Complementary Results

A.1 ROCStories

Figure 2 shows performance on our ROCStory validation set on a model checkpoint each 50 steps of training. (Note that with masked language modelling, the disruption operation performs with $\rho < 0$ (i.e., the rankings are negatively correlated) and hence the line does not appear in the plot.) For all operations and both types of narrative twins, we observe monotonically increasing performance. Masked language modeling offers a form of domain-adaptation, but the plots here confirm that this does not lead to improved performance on our task.

Results of our ROCStory ablation runs are in Table 4. As our first ablation, we compared using the model's first token (the CLS token) as the narrative embedding, rather than mean-pooling all token embeddings. The motivation for this ablation is that language models use layer-wise normalization (Ba et al., 2016). One result of this is that the output token representations is an affine transform of a normalized vector, which could make the task harder for a model trained to learn to represent salient events more than less-salient events. The ablation shows no difference in performance with using first token as compared to mean pooling. In a second ablation, we remove the negative distractors from the batches. Results for this show drastically reduced performance (for narrative twins and summarization, ρ=0.76 → 0.60), which supports our intuition that hard negative distractors are vital for the learning. In a final ablation, we tried training the model without the negative distractors, but substituting entities in the positive narrative twins

according to Hatzel and Biemann's (2024a) strategy. This involves applying coreference resolution and named entity recognition models.[4] As an example, (3) shows the result for the earlier (2) (without this intervention the twin is as per (7) (page 19)). The change is that Bob has been renamed Robert, and Ricky has been renamed Dennis. Note this strategy also substitutes location and organization names, but none are present in this example. Results show that this strategy performs better than the previous ablation, but performance is still worse than using the hard negative distractors. We expect that the presence of other shallow overlap in a narrative twin (e.g., topical overlap) remains a problematic shortcut.

(3) a. Dennis and Robert decided to play tennis one sunny afternoon.
b. Robert served the ball, but it accidentally hit Dennis on the head, and he fainted.
c. Robert quickly checked on Dennis and poured water into his mouth.
d. Dennis woke up and felt better after resting.
e. They continued to play, being more cautious this time.

Figure 3 shows performance for each of the narrative operations with increasing model size. We performed runs with the base model initialized with BERT tiny, mini, small, medium, base and large (Turc et al., 2019; Devlin et al., 2019). We can see that even for these short narratives, a large-enough model is required for good performance.

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[4]We adapt code released by Hatzel and Biemann (2024a).

Table 4: ROCStory ablation study results.

|	Deletion		Shifting		Disruption		Summarization	
	ρ	AUC	ρ	AUC	ρ	AUC	ρ	AUC
Base								
MASKED LM	$0.20_{\pm0.01}$	$0.61_{\pm0.01}$	$0.17_{\pm0.04}$	$0.59_{\pm0.02}$	$-0.14_{\pm0.00}$	$0.42_{\pm0.00}$	$0.21_{\pm0.01}$	$0.62_{\pm0.01}$
DROPOUT TWINS	$0.37_{\pm0.01}$	$0.70_{\pm0.01}$	$0.25_{\pm0.01}$	$0.63_{\pm0.00}$	$0.06_{\pm0.01}$	$0.53_{\pm0.01}$	$0.35_{\pm0.01}$	$0.70_{\pm0.00}$
NARRATIVE TWINS	$0.38_{\pm0.00}$	$0.70_{\pm0.00}$	$0.31_{\pm0.01}$	$0.66_{\pm0.00}$	$0.13_{\pm0.00}$	$0.57_{\pm0.00}$	$0.44_{\pm0.01}$	$0.76_{\pm0.00}$
CLS token								
DROPOUT TWINS	$0.38_{\pm0.01}$	$0.70_{\pm0.00}$	$0.25_{\pm0.00}$	$0.62_{\pm0.00}$	$0.04_{\pm0.00}$	$0.52_{\pm0.00}$	$0.40_{\pm0.00}$	$0.73_{\pm0.00}$
NARRATIVE TWINS	$0.38_{\pm0.01}$	$0.71_{\pm0.00}$	$0.33_{\pm0.01}$	$0.67_{\pm0.00}$	$0.13_{\pm0.00}$	$0.57_{\pm0.00}$	$0.44_{\pm0.01}$	$0.75_{\pm0.01}$
without hard negative distractors								
DROPOUT TWINS	$0.05_{\pm0.00}$	$0.53_{\pm0.00}$	$0.09_{\pm0.02}$	$0.56_{\pm0.01}$	$-0.09_{\pm0.01}$	$0.45_{\pm0.00}$	$0.14_{\pm0.02}$	$0.58_{\pm0.01}$
NARRATIVE TWINS	$0.03_{\pm0.02}$	$0.52_{\pm0.01}$	$0.06_{\pm0.00}$	$0.54_{\pm0.00}$	$-0.07_{\pm0.01}$	$0.46_{\pm0.01}$	$0.16_{\pm0.01}$	$0.60_{\pm0.00}$
without hard negative distractors; with entity-substitution								
DROPOUT TWINS	$0.05_{\pm0.00}$	$0.53_{\pm0.00}$	$0.07_{\pm0.00}$	$0.55_{\pm0.00}$	$-0.09_{\pm0.01}$	$0.45_{\pm0.00}$	$0.15_{\pm0.02}$	$0.59_{\pm0.01}$
NARRATIVE TWINS	$0.17_{\pm0.02}$	$0.59_{\pm0.01}$	$0.13_{\pm0.01}$	$0.57_{\pm0.01}$	$-0.03_{\pm0.01}$	$0.48_{\pm0.01}$	$0.27_{\pm0.01}$	$0.66_{\pm0.01}$
no Training								
CLS TOKEN	0.27	0.64	0.17	0.57	-0.02	0.49	0.21	0.62
MEAN POOLING	0.15	0.58	0.09	0.54	-0.12	0.43	0.19	0.61
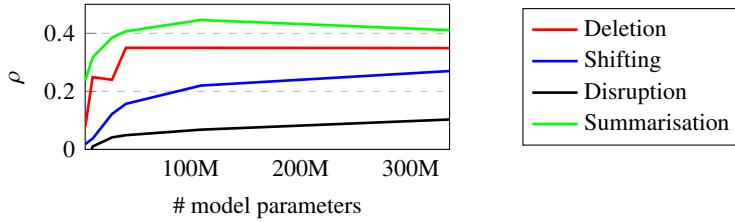
Figure 3: ROCStory model performance with increasing model size.

A.2 Wikipedia Narratives

Table 5 provides a breakdown of Wikipedia narrative results by each of the five turning point (TP) types as defined in Papalampidi et al. (2019): *Opportunity* (TP1), *Change of Plans* (TP2), *Point of No Return* (TP3), *Major Setback* (TP4), and *Climax* (TP5). The results show that accuracy varies both by turning point type and by the narrative operation applied. This suggests that certain operations are more effective for detecting particular turning points. For instance, the disruption test is the best operation for detecting the *Opportunity* turning point. This is intuitive, because the presentation of an opportunity dramatically changes the story's interpretation. Meanwhile, across most of the models the salience of the *Climax* turning point is predicted with highest accuracy. This is especially true for the prompted LLMs. Of the narrative operations, summarization is the most consistent across all turning points.

Table 6 gives results of 2 ablation runs on Wikipedia narrative, as well as the performance of the base model without further finetuning. Here, we use the results with in-story negatives as base performance. In the first ablation, we remove the in-story negatives from the contrastive comparison. This leads to performance drops. In our second ablation, we use Hatzel and Biemann's (2024a) strategy of substituting entities in the narrative twins. For this we directly use Hatzel and Biemann's (2024b) data with substituted entities, recomputing the alignment required for our model. Results show either zero or modest improvement compared to without the substitution. (Note that these results are still based on applying the contrastive learning at the window-level, which is different to the narrative-level contrastive loss used by Hatzel and Biemann (2024a).) It is evident that Hatzel and Biemann's (2024a) strategy of dealing with the lexical overlap does contribute to solving the challenge, but our methods show better results.

Table 5: Full results on salience detection in Wikipedia narratives. Results here are broken down by each turning point label. TP1-5 correspond to labels of *Opportunity*, *Change of Plans*, *Point of No Return*, *Major Setback* and *Climax* (see Papalampidi et al. (2019) for more details).

	TP1	TP2	TP3	TP4	TP5	avg.
Baselines						
RANDOM	$0.50_{\pm0.04}$	$0.51_{\pm0.05}$	$0.50_{\pm0.04}$	$0.50_{\pm0.04}$	$0.49_{\pm0.04}$	$0.50_{\pm0.02}$
GPT 5 MINI	$0.73_{\pm0.00}$	$0.69_{\pm0.01}$	$0.71_{\pm0.02}$	$0.65_{\pm0.02}$	$0.81_{\pm0.01}$	$0.72_{\pm0.01}$
GPT 5	$0.76_{\pm0.01}$	$0.77_{\pm0.00}$	$0.74_{\pm0.01}$	$0.69_{\pm0.01}$	$0.84_{\pm0.01}$	$0.76_{\pm0.00}$
Deletion						
MASKED LM	$0.60_{\pm0.00}$	$0.58_{\pm0.00}$	$0.53_{\pm0.00}$	$0.52_{\pm0.00}$	$0.57_{\pm0.00}$	$0.56_{\pm0.00}$
DROPOUT TWINS	$0.63_{\pm0.01}$	$0.56_{\pm0.01}$	$0.54_{\pm0.00}$	$0.55_{\pm0.01}$	$0.61_{\pm0.01}$	$0.58_{\pm0.00}$
NARRATIVE TWINS	$0.64_{\pm0.01}$	$0.58_{\pm0.01}$	$0.60_{\pm0.01}$	$0.54_{\pm0.00}$	$0.66_{\pm0.00}$	$0.60_{\pm0.01}$
Shifting						
MASKED LM	$0.57_{\pm0.00}$	$0.61_{\pm0.00}$	$0.53_{\pm0.00}$	$0.52_{\pm0.00}$	$0.50_{\pm0.00}$	$0.54_{\pm0.00}$
DROPOUT TWINS	$0.58_{\pm0.01}$	$0.58_{\pm0.01}$	$0.59_{\pm0.01}$	$0.56_{\pm0.01}$	$0.59_{\pm0.00}$	$0.58_{\pm0.00}$
NARRATIVE TWINS	$0.60_{\pm0.01}$	$0.59_{\pm0.01}$	$0.59_{\pm0.01}$	$0.59_{\pm0.00}$	$0.62_{\pm0.00}$	$0.60_{\pm0.00}$
Disruption						
MASKED LM	$0.59_{\pm0.00}$	$0.57_{\pm0.00}$	$0.48_{\pm0.00}$	$0.37_{\pm0.00}$	$0.43_{\pm0.00}$	$0.49_{\pm0.00}$
DROPOUT TWINS	$0.67_{\pm0.01}$	$0.59_{\pm0.00}$	$0.49_{\pm0.00}$	$0.44_{\pm0.00}$	$0.48_{\pm0.00}$	$0.53_{\pm0.00}$
NARRATIVE TWINS	$0.66_{\pm0.01}$	$0.54_{\pm0.01}$	$0.52_{\pm0.00}$	$0.43_{\pm0.01}$	$0.53_{\pm0.00}$	$0.54_{\pm0.00}$
Summarization						
MASKED LM	$0.61_{\pm0.00}$	$0.65_{\pm0.00}$	$0.52_{\pm0.00}$	$0.57_{\pm0.00}$	$0.63_{\pm0.00}$	$0.60_{\pm0.00}$
DROPOUT TWINS	$0.63_{\pm0.01}$	$0.63_{\pm0.00}$	$0.64_{\pm0.02}$	$0.60_{\pm0.02}$	$0.67_{\pm0.01}$	$0.63_{\pm0.01}$
NARRATIVE TWINS	$0.63_{\pm0.00}$	$0.67_{\pm0.00}$	$0.63_{\pm0.01}$	$0.66_{\pm0.01}$	$0.65_{\pm0.00}$	$0.65_{\pm0.00}$

B Qualitative Examples

Table 7 and 8 show the two ROCStories that we used in our guidelines. Next to each sentence, we show the saliency score predicted for each sentence using each operation.

Table 9 shows each sentence in the aforementioned (ex. (1), p.1) Wikipedia plot summary of *The Girl with the Dragon Tattoo* (2011 film). Next to each sentence is the saliency score predicted by each operation. Horizontal lines indicate the five evenly spaced windows. Recall that the operations here are being applied at the window level.

Table 6: Wikipedia narrative ablation study results.

	Deletion avg. AUC	Shifting avg. AUC	Disruption avg. AUC	Summariz. avg. AUC
Base				
DROPOUT TWINS	$0.56_{\pm0.00}$	$0.57_{\pm0.00}$	$0.53_{\pm0.00}$	$0.65_{\pm0.00}$
NARRATIVE TWINS	$0.60_{\pm0.01}$	$0.60_{\pm0.01}$	$0.54_{\pm0.00}$	$0.66_{\pm0.00}$
w/o hard negative distractors				
DROPOUT TWINS	$0.56_{\pm0.01}$	$0.55_{\pm0.01}$	$0.51_{\pm0.00}$	$0.63_{\pm0.01}$
NARRATIVE TWINS	$0.56_{\pm0.01}$	$0.56_{\pm0.01}$	$0.51_{\pm0.00}$	$0.63_{\pm0.01}$
w/o hard negative distractors; w/ entity substitution				
DROPOUT TWINS	$0.55_{\pm0.00}$	$0.55_{\pm0.00}$	$0.50_{\pm0.00}$	$0.63_{\pm0.00}$
NARRATIVE TWINS	$0.56_{\pm0.00}$	$0.57_{\pm0.01}$	$0.52_{\pm0.00}$	$0.65_{\pm0.00}$
no training				
WINDOW-MEAN	0.56	0.54	0.49	0.59

Table 7: Predicted salience scores for each sentence in Story (2).

Sentence	Deletion	Shifting	Disruption	Summarization
Ricky was playing tennis with Bob.	0.01773	0.03973	0.00000	0.35098
Bob served the ball and hit Ricky right in the head!	0.16117	0.08829	0.60952	0.59289
Ricky fainted on the tennis court.	0.20448	0.05167	0.25631	0.75795
Bob gave Ricky some water to drink.	0.05280	0.03074	0.07316	0.39018
Ricky felt better after resting for awhile.	0.00908	0.01072	0.00908	0.45127

Table 8: Predicted salience scores for each sentence in Story (4).

Sentence	Deletion	Shifting	Disruption	Summarization
My youngest nephew came to stay with us for a weekend.	0.11267	0.08801	0.00000	0.46737
He taught my youngest son lots of new words.	0.03196	0.02425	0.38313	0.28453
He showed him some next and interesting gestures.	0.01182	0.01866	0.12434	0.19739
Finally, he gave us all a tutorial on tantrum throwing.	0.30280	0.05622	0.33144	0.74473
I was elated to see his parents come and pick him up.	0.07609	0.03857	0.07609	0.19373

Table 9: Predicted salience scores for each sentence in the Wikipedia plot summary of *The Girl with the Dragon Tattoo* (2011 film). In bold are the 5 sentences Papalampidi et al. (2019) annotated as turning points; these are our labels of the most salient sentences.

Sentence	Deletion	Shifting	Disruption	Summariz.
In Stockholm, Sweden, journalist Mikael Blomkvist, co-owner of Millennium magazine, has just lost a libel case brought against him by businessman Hans-Erik Wennerström.	0.058862	0.023842	0.000000	0.525191
Meanwhile, Lisbeth Salander, a brilliant but troubled investigator and hacker, compiles an extensive background check on Blomkvist for business magnate Henrik Vanger, who has a special task for him.	0.023475	0.015147	0.158102	0.601780
In exchange for the promise of damning information about Wennerström, Blomkvist agrees to investigate the disappearance and assumed murder of Henrik's grandniece, Harriet, 40 years ago.	0.035807	0.013807	0.046755	0.570716
After moving to the Vanger family's compound, Blomkvist uncovers a notebook containing a list of names and numbers that no one has been able to decipher.	0.017373	0.013657	0.026644	0.505205
Salander, who is under state legal guardianship due to diagnosed mental incompetency, is appointed a new guardian, lawyer Nils Bjurman, after her previous guardian has a stroke.	0.024011	0.011695	0.033138	0.461708
Bjurman abuses his authority to extort sexual favors from Salander and then violently rapes her not realizing she has a hidden video camera in her bag.	0.011282	0.011074	0.023850	0.462558
At their next meeting she stuns him with a Taser, anally rapes him with a dildo and marks him as a rapist with a tattoo on his chest and stomach.	0.017966	0.017839	0.027127	0.276713
Using her video recording she threatens blackmail, insisting that he write a glowing progress report and allow her full control of her money.	0.014231	0.010573	0.000000	-0.020144
Blomkvist's daughter visits him and notes that the numbers from the notebook are Bible references.	0.009230	0.006231	0.100033	0.099879
Blomkvist tells Vanger's lawyer Dirch Frode that he needs help with his research, and Frode recommends Salander based on the work she did researching Blomkvist himself.	0.024733	0.012166	0.072035	0.256393
Blomkvist hires Salander to further investigate the notebook's content.	0.009441	0.006414	0.051040	0.185852
She uncovers a connection to a series of murders of young women that occurred from 1947 through 1967, with the women either being Jewish or having Biblical names; many of the Vangers are known antisemites.	0.059293	0.016367	0.158320	0.070397
During the investigation, Salander and Blomkvist become lovers.	0.005047	0.005363	0.010820	0.164378
Henrik's brother Harald identifies Martin, Harriet's brother and operational head of the Vanger empire, as a possible suspect.	0.007916	0.014047	0.035330	0.142316
Salander's research uncovers evidence that Martin and his deceased father, Gottfried, had committed the murders.	0.016496	0.022775	0.000000	0.230939
Blomkvist breaks into Martin's house to look for more clues, but Martin catches him and prepares to kill him.	0.026628	0.015342	0.095755	0.432990
Martin brags about having killed women for decades, but denies killing Harriet.	0.009883	0.005745	0.023151	0.110147
Salander arrives, subdues Martin and saves Blomkvist.	0.016412	0.009368	0.020565	0.308457
While Salander tends to Blomkvist, Martin flees.	0.004601	0.005421	0.007806	0.283848
Salander, on her motorcycle, pursues Martin in his SUV.	0.009073	0.014290	0.010464	0.109025
He loses control of his vehicle on an icy road and dies when it catches fire.	0.039593	0.020737	0.028716	0.102183
Salander nurses Blomkvist back to health, and tells him that she tried to kill her father when she was 12.	0.011643	0.012107	0.000000	0.351047
After recovering, Blomkvist deduces that Harriet is still alive and her cousin Anita likely knows where she is.	0.014321	0.008425	0.048531	0.316454
He and Salander monitor Anita, waiting for her to contact Harriet.	0.009462	0.006949	0.017101	0.142604
When nothing happens, Blomkvist confronts her, correctly deducing that Anita is Harriet herself.	0.012247	0.008102	0.021557	0.273596
She explains that her father and brother had sexually abused her for years, and that Martin saw her kill their father in self-defense.	0.022848	0.011363	0.042934	0.079958
Her cousin Anita smuggled her out of the island and let her live under her identity.	0.017918	0.011077	0.021131	0.108173

Finally free of her brother, she returns to Sweden and tearfully reunites with Henrik.	0.010425	0.013125	0.016238	0.270244
As promised, Henrik gives Blomkvist the information on Wennerström, but it proves to be worthless.	0.008507	0.007942	0.000000	0.408722
Salander hacks into Wennerström's computer and presents Blomkvist with damning evidence of Wennerström's crimes.	0.014928	0.013480	0.080743	0.502369
Blomkvist publishes an article which ruins Wennerström, who flees the country.	0.024830	0.012859	0.081431	0.527359
Salander hacks into Wennerström's bank accounts and, travelling to Switzerland in disguise, transfers two billion euros to various accounts.	0.029498	0.007885	0.037509	0.407171
Wennerström is soon found murdered.	0.009358	0.006529	0.016787	0.331802
Salander reveals to her former guardian that she is in love with Blomkvist.	0.003811	0.004793	0.006905	0.368140
On her way to give Blomkvist a Christmas present, however, Salander sees him and his longtime lover and business partner Erika Berger walking together happily.	0.013784	0.011499	0.012304	0.467294
Heartbroken, she discards the gift and rides away.	0.004822	0.004665	0.004822	0.233605

C ROCStories Annotation Guidelines

Based on learning lessons from Ouyang and McKeown (2015) and Ouyang et al. (2017) shared with us, and feedback in a trial run, we first ask participants to write a short summary of the story. They are then instructed to use their summary to help determine the most important sentence. When deciding between multiple possible sentences, participants were told to use the principle of selecting the sentence which is most amazing, astonishing or surprising. The full guidelines are as follows:

1. Read the story

2. Summarize the story

In your summary, you should describe what is most memorable about the story. Your summary should be a spoiler for the story.

- It must be less than 12 words.

- Use your own words – do not copy large portions from the original story.

- There is no need to introduce characters or settings in your summary, unless it is vital.

- You should use the names of characters, where they are known. If the story is written in first person ('I', 'My' etc.), write your summary in first person.

3. Identify the sentence which is most important to the story

Look at your summary and decide which sentences include information used in your summary. Of these, select the sentence which is most amazing, astonishing or surprising.

- You may only choose one whole sentence.

- If a sentence contains multiple parts, don't worry if part of the sentence is not memorable.

C.1 Example

(4) a. My youngest nephew came to stay with us for a weekend.
  b. He taught my youngest son lots of new words.
  c. He showed him some next and interesting gestures.
  d. **Finally, he gave us all a tutorial on tantrum throwing.**
  e. I was elated to see his parents come and pick him up.

Summary:

My nephew threw a tantrum over the weekend.

The summary contains information from sentence (4-a) and (4-d). Sentence (4-d) reveals that the 'new words' and 'interesting gestures' were part of tantrums he threw. This is the most surprising and astonishing sentence, so we select it.

(5) a. Ricky was playing tennis with Bob.
  b. **Bob served the ball and hit Ricky right in the head!**
  c. Ricky fainted on the tennis court.
  d. Bob gave Ricky some water to drink.
  e. Ricky felt better after resting for awhile.

Bob hits Ricky in the head during a tennis match.

The summary contains information from sentence (5-a) and (5-b). Sentence (5-b) is the most amazingly bad and surprising sentence, so we select it.

D LLM Prompts

D.1 ROCStory Experiments

Mostafazadeh et al. (2016) gave crowd-workers the following prompt:

> **ROCStories Human Prompt**
>
> Imagine that you want to tell a five-sentence story to your friend. It can be about something that happened, something you or someone else has experienced in the past, or simply any life story about someone or something. Your task is to write this five-sentence story. Your story should have ALL of the following five properties.
>
> 1. Your story should be entirely realistic.
> 2. Your story should read like a coherent story, with a specific beginning and end, where something happens in between.
> 3. Each sentence in your story should be logically related to the next sentence and be about the characters of the story.

We use the following prompt in order to generate a more verbose version of each story.

{5-SENTENCE STORY}

The above story was written in order to describe a real situation. Many things occurred that the author did not include in the story. Now imagine you know everything about the situation. Write an extended 20-sentence story about the situation. Your story should have ALL of the following five properties.

1. Your story should be faithful to the events that occurred in the original story.
2. You should re-write all original events in your own words.
3. All new events should be entirely realistic given the original story.
4. Each sentence in the original story should become four sentences in your extended story.
5. Every sentence should be simple and shorter than the sentences in the original story.

Respond now only with your extended story in prose.

(6) Ricky and Bob decided to play tennis together one sunny afternoon.
They were excited to enjoy the game.
Bob served the ball with great force.
Unfortunately, the ball hit Ricky squarely on the head.
Ricky was completely taken by surprise.
He stumbled back and felt dizzy.
The impact knocked the breath out of him.
He quickly fainted and fell to the ground.
Bob rushed over to Ricky immediately.
He was very worried about his friend.
Bob knelt beside him and checked for any serious injuries.
After a moment, he grabbed his water bottle.
He gently poured a little water into Ricky's mouth.
Ricky's eyes fluttered open slowly.
He took a few deep breaths to regain his composure.
The cool water helped him feel better.
They decided to take a break from playing.
Bob sat next to Ricky to keep him company.
They talked about what had happened and laughed a little.
Ricky teased Bob about his serve being too powerful.
After resting for a while, Ricky felt more like himself.
He stood up slowly and stretched his arms.
Bob encouraged him to take it easy.
With a smile, Ricky agreed to play again, but he would stand back a bit during serves.
They resumed their game, now more cautious than before.
Both were determined to have a good time despite the earlier mishap.
The day turned out to be a memorable one.
They left the court feeling happy and grateful for their friendship.

Story (6) shows the result for story (2) as input (page 4).

Based on these verbose stories, we prompt the same LLM in order to generate a new 5 sentence story, forming the narrative twin. We use the following prompt:

{20-SENTENCE STORY}

Imagine that you want to tell the above story to your friend. Your task is to retell the story in five sentences. Your retelling should have ALL of the following five properties.

1. Your retelling should omit events that are not important to the provided story.
2. Your retelling should be faithful to the most important events occur in the provided story.
3. Your retelling should only include events that are in the provided story.
4. Every sentence should be logically related to the next sentence and be about the characters of the story.
5. Every sentence should be simple and short. Maximum one single clause.

Respond now only with your retelling in prose.

Story (7) shows the resulting twin for the example.

(7) a. Ricky and Bob decided to play tennis one sunny afternoon.
     b. Bob served the ball, but it accidentally hit Ricky on the head, and he fainted.
     c. Bob quickly checked on Ricky and poured water into his mouth.
     d. Ricky woke up and felt better after resting.
     e. They continued to play, being more cautious this time.

     b. Bob served the ball and it landed just inside the baseline.
     c. Ricky ran quickly and returned the ball with a strong hit.
     d. They continued to play energetically for several more minutes.
     e. After the game, Bob gave Ricky some water to drink, and Ricky felt refreshed.

For the negatives, we use the following prompt:

LLM Prompt 3

{5-SENTENCE STORY}

Your task is now to write a new version of the above five-sentence story. Your story should be very similar to the above story. But you should change the climax completely. Your story should have ALL of the following properties.

1. Your story should involve all of the same characters as the above story.
2. Your story should be based on the same setting as the above story.
3. The main and most important event in your new story should be fundamentally different from what occurred in the above story.
4. Other than the main and most important event, your new story should be very similar to the above story.
5. Every sentence in your new story should be logically related to the next sentence and be about the characters of the story.
6. Your story should be entirely realistic.
7. Your story should read like a coherent story, with a specific beginning and end, where something happens in between.
8. Every sentence in your new story should be simple and short. Maximum one single clause.
9. Your story should be exactly five sentences.

Respond now only with your story in prose.

Story (8) shows the resulting negative for the example.

(8) a. Ricky was playing tennis with Bob.

For our ROCStory annotator-style prompting, we use the following:

ROCStories annotator-style prompt

You will be given a short story. The story will always be 5 sentences long. You will be asked to write a short one-sentence summary of the story. You will then be asked to identify the sentence which is most important to the story.

In your summary, you should describe what is most memorable about the story. Your summary should be a spoiler for the story.

- It must be less than 12 words.
- Use your own words - do not copy large portions from the original story.
- There is no need to introduce characters or settings in your summary, unless it is vital.
- You should use the names of characters, where they are known. If the story is written in first person ('I', 'My' etc.), write your summary in first person.

For your identification of the sentence which is most important to the story, look at your summary and decide which sentences include information used in your summary. Of these, select the sentence which is most amazing, astonishing or surprising.

- You may only choose one whole sentence.
- If a sentence contains multiple parts, don't worry if part of the sentence is not memorable.

Respond in the form of: "summary": str, "most_important": int

1. Ricky was playing tennis with Bob.
2. Bob served the ball and hit Ricky right in the head!
3. Ricky fainted on the tennis court.
4. Bob gave Ricky some water to drink.
5. Ricky felt better after resting for awhile.

{"summary": "Bob hits Ricky in the head during a tennis match.", "most_important": 2}

1. My youngest nephew came to stay with us for a weekend.
2. He taught my youngest son lots of new words.
3. He showed him some next and interesting gestures.
4. Finally, he gave us all a tutorial on tantrum throwing.
5. I was elated to see his parents come and pick him up.

{"summary": "My nephew threw a tantrum over the weekend.", "most_important": 4}

1. story sentence 1
2. story sentence 2
3. story sentence 3
4. story sentence 4
5. story sentence 5

For salience-style prompting, we use the following:

LLM saliency prompt

INSERT_STORY

Your task is to determine how narratively salient each sentence in the above story is. Narrative salience is the likelihood that information in a sentence would be included by someone else telling the same story. It is a float greater than 0.0, less than 1.0, and unique for each sentence. Respond in the form

{"sentence_1": float, "sentence_2": float, "sentence_3": float, "sentence_4": float, "sentence_5": float}

We use a structured response in order to enforce that the LLM assigns a number between 0.0 and 1.0 for every sentence in the story.

D.2 Wikipedia Narrative Experiments

The Wikipedia narratives are longer, so we minimally change the salience prompt as follows:

LLM saliency prompt

INSERT_STORY

Your task is to determine how narratively salient each sentence in the above story is. Narrative salience is the likelihood that information in a sentence would be included by someone else telling the same story. It is a float greater than 0.0, less than 1.0, and unique for each sentence. Respond in the form

{"sentence_1": float, "sentence_i": float, ..., "sentence_NUM_SENTS": float}

For our experiments with LLM-generated Wikipedia narrative negatives, we use the following prompt:

Wikipedia Narratives Negative LLM Prompt

INSERT_STORY

Your task is now to write a new story that takes heavy inspiration from the above 5-paragraph story. The new story should change the most important parts of the above story. The least important parts should be very similar to the above story.

You must change ALL of the following.

1. Change the main opportunity that is presented to the characters (approximately 10% of the way through the story; typically in section 1).
2. Change the main event that changes the plans and defines the goal (approximately 30% of the way through story; typically in section 2).
3. Change the point of no return event (approximately 50% of the way through; typically in section 3).
4. Change the major setback faced by the characters (approximately 70% of the way through; typically in section 4).
5. Change the climax event (approximately 90% of the way through; typically in section 5).

You must keep ALL of the following the same.

6. Keep all of the same characters as the above story.
7. Keep the same setting as the above story. Use the same names.
8. Keep all of the minor events the same. Make them a logical and realistic part of your new story.

Your story must have ALL of the following properties:

9. Your story should be approximately the same total length as the above story.
10. Your story should be exactly 5 sections. Section 1 of your new story should correspond to new version of section 1 in the above story; the same holds for sections 2-5.
11. Your story should be written in exactly the same style as the above story.

Respond now with your sections in prose.