**For a systematic review of literature:** - Scholar, Google Books, (the results from these should already be include, but check either way: DBLP, ACL Anthology)

* Github, Gitlab, BitBucket
* Check the first few pages of google results/arxiv for anything we might have missed
* Workshops and shared tasks

After reading each of these papers, let’s label them depending on the type of work and record the following information:

* Research field (social sciences, nlp…)
* Type of work/main focus (resource paper, model dev)
* Methodology (if included)
* Language covered
* Size of resource
* Timeframe of data collection
* Annotation guidelines - -what phenomena is studied
* Highlight related works mentioned in these papers (either in intro or sota)

Keywords:

* "humor recognition"
* "humour detection" (British spelling)
* "computational humor"
* "automatic humor detection"
* "humor classification"
* "humor analysis"
* "funny text detection"
* "humorous content recognition"
* "sarcasm and humor detection" *(some overlap in datasets)*
* "computational humor recognition" / "computational humour recognition"
* "computational humor detection" / "computational humour detection"
* "computational humor identification" / "computational humour identification"
* "computational humor comprehension" / "computational humour comprehension"
* "computational humor prediction" / "computational humour prediction"
* "computational humor perception" / "computational humour perception"
* "humor dataset"
* "humour corpus"
* "funny text classification"
* "humor annotation"
* "automatic humor detection"
* "humor in NLP"
* "humor detection benchmark"
* "humor recognition task"
* "annotated humor dataset"
* "humorous tweet classification"
* "joke dataset"
* "satire and humor detection"
* "irony and humor in text"

## 🧪 Suggested Readings

1. [Humor Detection: A Transformer Gets the Last Laugh](https://arxiv.org/pdf/1909.00252)
2. [ColBERT: Using BERT Sentence Embedding for Humor Detection](https://www.researchgate.net/profile/Issa-Annamoradnejad/publication/340963533_Colbert_Using_BERT_sentence_embedding_for_humor_detection/links/604e246ba6fdcccfee812919/Colbert-Using-BERT-sentence-embedding-for-humor-detection.pdf)
3. [A BERT-based Approach for Automatic Humor Detection and Scoring](https://ceur-ws.org/Vol-2421/HAHA_paper_8.pdf)

## 🧪 Suggested Resources: Prompt Engineering: https://www.promptingguide.ai/

* OpenAI’s GPT (like ChatGPT)
* Anthropic’s Claude
* Google Gemini
* Hugging Face Transformers (with instruction-tuned models)

## 🧪 Shared Tasks on Humor Recognition

### 1. SemEval-2017 Task 6: #HashtagWars – Learning a Sense of Humor

* Focus: Comparative humor ranking using tweets from the "Hashtag Wars" segment of the TV show @midnight.
* Subtasks:
  + A: Pairwise comparison of tweets to determine which is funnier.
  + B: Ranking tweets based on funniness.
* Dataset: Tweets collected from the "Hashtag Wars" segment.
* Reference: [SemEval-2017 Task 6 Paper](https://aclanthology.org/S17-2004/)

### 2. SemEval-2020 Task 7: Assessing Humor in Edited News Headlines

* Focus: Evaluating humor in news headlines edited to be humorous.
* Subtasks:
  + 1: Predicting the funniness rating of edited headlines.
  + 2: Determining which of two edited versions of a headline is funnier.
* Dataset: Edited news headlines with funniness ratings obtained via crowdsourcing.
* Reference: [SemEval-2020 Task 7 Paper](https://cs.rochester.edu/u/nhossain/hossain-semeval-2020-task-7.pdf)

### 3. SemEval-2021 Task 7: HaHackathon – Detecting and Rating Humor and Offense

* Focus: Detecting humor and offense in text, and predicting their intensity.
* Subtasks:
  + 1a: Binary classification of humor presence.
  + 1b: Predicting humor ratings.
  + 1c: Predicting offense ratings.
  + 2: Predicting humor controversy based on annotator agreement.
* Dataset: 10,000 texts from Twitter and the Kaggle Short Jokes dataset, annotated for humor and offense by 20 annotators aged 18–70.
* Reference: [SemEval-2021 Task 7 Paper](https://aclanthology.org/2021.semeval-1.9/)

### 4. CLEF 2024 JOKER Lab: Humour Classification According to Genre and Technique

* Focus: Classifying humor based on genre and technique.
* Approach: Fine-tuning large language models (LLMs) like LLaMA 3 and GPT-4.
* Reference: [CLEF 2024 JOKER Lab Paper](https://ceur-ws.org/Vol-3740/paper-183.pdf)

### 5. Shared Task on Multimodal Hate, Humor, and Stance Detection in Marginalized Movements (CASE 2025)

* Focus: Detecting humor, hate, and stance in multimodal content related to marginalized movements.
* Platform: Hosted on CodaLab.
* Reference: [CASE 2025 Shared Task](https://codalab.lisn.upsaclay.fr/competitions/22463)

## 🗃️ Notable GitHub Repositories on Humor Detection

### 1. Humor Analysis Using Ensembles of Simple Transformers

* Description: Winning submission at the Humor Analysis based on Human Annotation (HAHA) task at IberLEF 2021.
* Repository: [karish-grover/Humor-Analysis-using-Ensembles-of-Simple-Transformers](https://github.com/karish-grover/Humor-Analysis-using-Ensembles-of-Simple-Transformers)

### 2. ColBERT: Using BERT Sentence Embedding for Humor Detection

* Description: Approach for detecting and rating humor in short texts using BERT embeddings.
* Repository: [Moradnejad/ColBERT-Using-BERT-Sentence-Embedding-for-Humor-Detection](https://github.com/Moradnejad/ColBERT-Using-BERT-Sentence-Embedding-for-Humor-Detection)

### 3. NLP Humor Detection

* Description: Language model designed to distinguish funny text segments from non-humorous ones.
* Repository: [elanrosen/NLP-humor-detection](https://github.com/elanrosen/NLP-humor-detection)

### 4. Short Text Corpus for Humor Detection

* Description: Dataset containing humorous jokes for use in humor recognition tasks.
* Repository: [CrowdTruth/Short-Text-Corpus-For-Humor-Detection](https://github.com/CrowdTruth/Short-Text-Corpus-For-Humor-Detection)

### 5. Reddit Humor Detection

* Description: Code and datasets for humor detection using Reddit data.
* Repository: [orionw/RedditHumorDetection](https://github.com/orionw/RedditHumorDetection)