

NAUGHT-5

a joke-telling LLM

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<p>And what can go wrong</p>
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Basic FACTS.

AIM

A model answering questions in an amusing way

Metrics

ROUGE
(1, 2, L)



Dataset

Over 20k
question-answer
jokes from r/Jokes
subreddit

Hugging Face

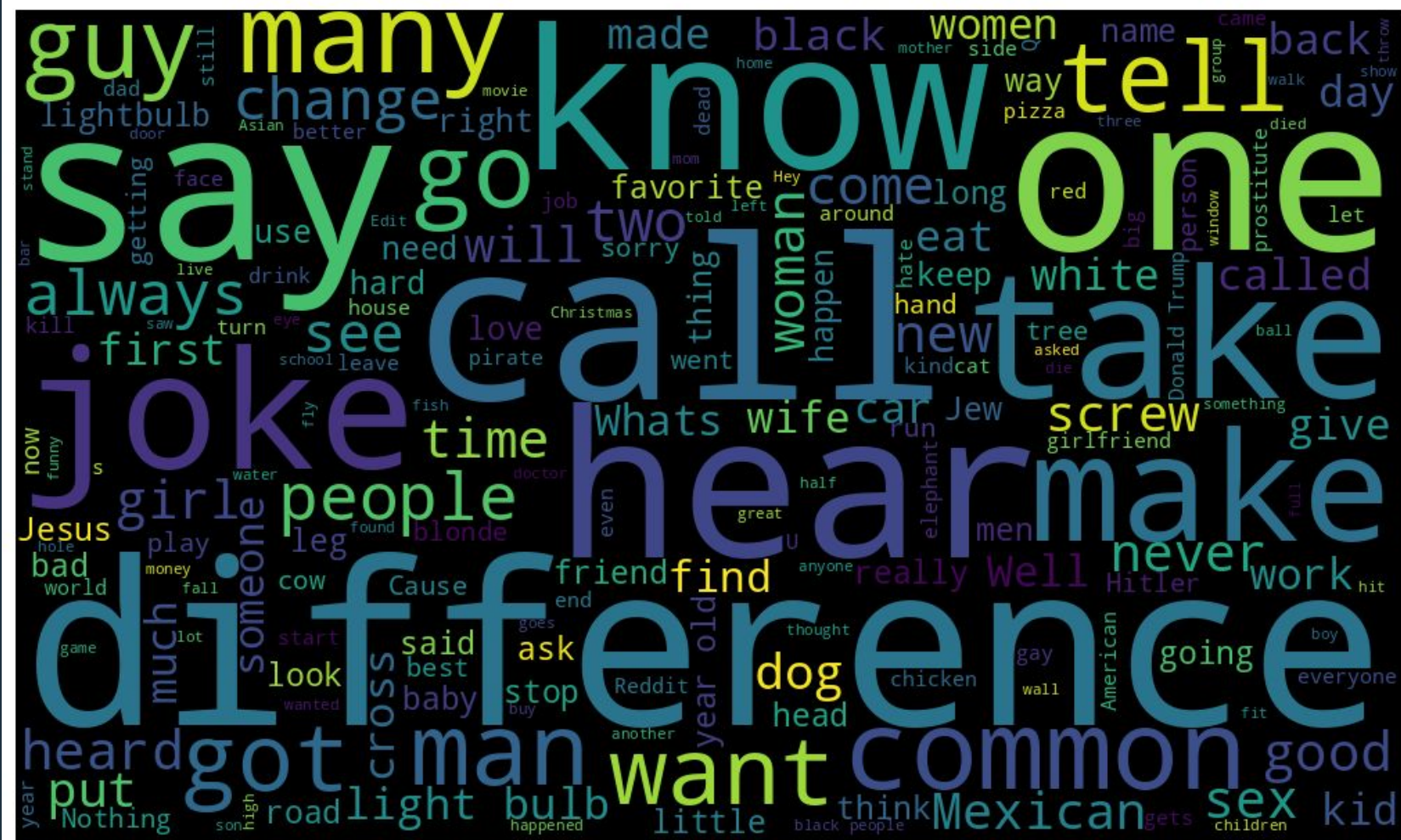


Based on

google/flan-t5-base

Results





Wordcloud

Metrics: ROUGE



<p> Family: ROUGE-1, ROUGE-2, ROUGE-L ... </p>

- Recall-Oriented Understudy for Gisting Evaluation
- Used for summarization and machine translation

<p> ROUGE-N: number of matching n-grams between the model-generated text and the human reference. </p>

<p> ROUGE-L is based on the Longest Common Subsequence between the model output and the reference. </p>

Sample outputs



What is my name?

A girl with a s#it in her face.

Why does a bird have skinny legs?

Because he's a f#\$%ing bird.

How to handle profanities in the output?

- Exclude bad_word_ids at generation time
- Use BERT with masked profanities
- Bad_words = [...]
- Filter the dataset



Sample outputs (after dataset filtering)



What's brown and sticky?

A broomstick. (Expected: A stick.)

Note: The model has not seen the questions before.

Why did the tomato blush?

Because it was a tomato. (Expected: Because it saw the salad dressing.)

Why doesn't the sun go to college?

Because it's too bright. (Expected: Because it has a million degrees!)



Resources

Fine-tune FLAN-T5 for chat & dialogue summarization
<https://www.philschmid.de/fine-tune-flan-t5>

What is the ROUGE metric?
<https://www.youtube.com/watch?v=TMshhnrEXlg>

COLAB:
<https://colab.research.google.com/drive/1RwbQpXUZSS33CrFuJM5YjtoYFWxvhD5h?usp=sharing>

THANK YOU!

Do you have any questions at the
end of the presentation yes or no?

NaughT-5: No, because it's already answered ;)

