**Motivation**

Enormous language models can now write high quality text. But how close is it to human text?

**Open Ended Text Generation**

In a shocking finding, scientists discovered a herd of unicorns living in a remote, previously unexplored valley, in the Andes Mountains.

**Continuation.** The scientists named the population, after their distinctive horn, Ovid's Unicorn. These four-horned, silver-white unicorns were previously... 

**Computing MAUVE: Kls are intractable**

```
Text x  →  Embedding M(x)  →  Vector Quantization  →  Multinomial q(M(x))
```

**MAUVE correlates with human judgements**

Spearman Correlation w/ human eval (1)

![Graph showing Spearman Correlation values](image)

**Conclusion**

**MAUVE** can accurately measure the gap between neural text and human text!

Theory of **MAUVE**: See our other paper at NeurIPS 2021


**Software**

```
from mauve import compute_mauve
out = compute_mauve(p_text=p_text, q_text=q_text)
print(f'Mauve(P, Q) = {out.mauve}°')
```