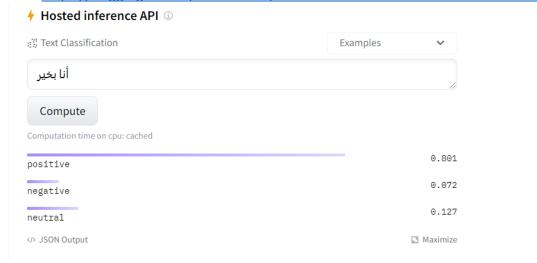NLP Project

Fine tuning Arabic Sentiment model using tweets

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Model:

- Using `bert-base-arabic-camelbert-da-sentiment` model from Hugging Face website
- Link: https://huggingface.co/CAMeL-Lab/bert-base-arabic-camelbert-da-sentiment

Dataset:

- Using Arabic Sentiment Tweets Dataset
- This dataset contains over 10k Arabic sentiment tweets classified into four classes subjective positive, subjective negative, subjective mixed, and objective.
- We converted subjective mixed and objective classes to Neutral to have only 3 classes like in our model
- Link: https://github.com/mahmoudnabil/ASTD/blob/master/data/Tweets.txt

Training:

- Using Kaggle workspace due to problems we faced in Google colab
- Used pyTorch in training
- Kaggle Notebook: https://www.kaggle.com/ahmedelsaidy/arabic-sentiment-model

Testing:

- Used the fine-tuned model to predict test results