

Few-Shot with OpenAPI and SetFit on IMDB

1. Questões

1. **Explicação de conceitos importantes do exercício feito**
2. ~~Técnicas para garantir que a implementação está correta~~
3. ~~Truques de código que funcionaram~~
4. **Problemas e soluções no desenvolvimento**
5. **Resultados interessantes/inesperados**
6. **Uma dúvida "básica" que você ou os colegas possam ter**
7. ~~Um tópico "avançado" para discutirmos~~

2. Explicação de conceitos importantes do artigo

SetFit is an efficient and prompt-free framework for few-shot fine-tuning of Sentence Transformers. Based on the Customer Reviews sentiment datasets benchmark, SetFit is competitive and achieve comparable performance with only 8 labeled examples per class compared to fine-tuning RoBERTa Large with datasets of 3k labeled examples.

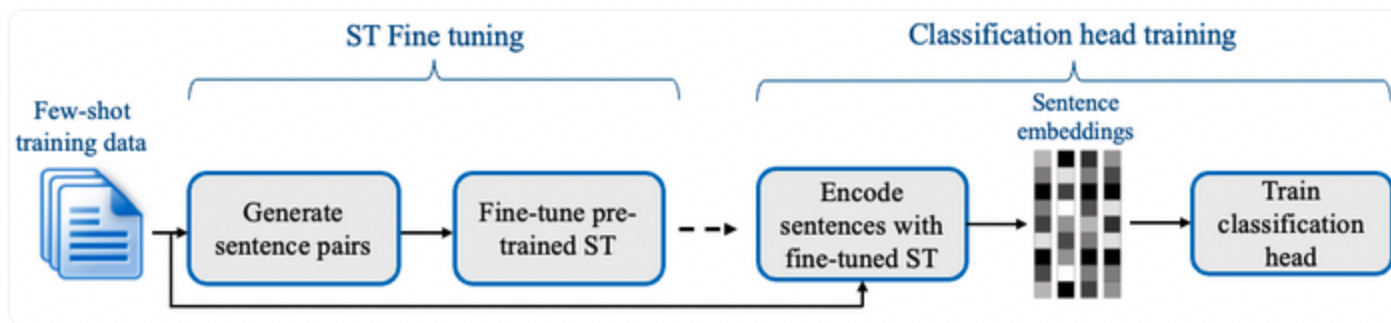
Sentence Transformers SentenceTransformers is a Python framework for state-of-the-art sentence, text and image embeddings - **Based on embeddings, no prompts are required and supports multilingual text classification**

Few-Shot Learning is the practice of training a machine learning model with a small amount of data.

2.1 SetFit

How does it work?

SetFit is designed with efficiency and simplicity in mind. SetFit first fine-tunes a Sentence Transformer model on a small number of labeled examples (typically 8 or 16 per class). This is followed by training a classifier head on the embeddings generated from the fine-tuned Sentence Transformer.



SetFit's two-stage training process