Fact Checking Task: Do LLM sentence embeddings encode real world knowledge?



Background

The use of LLMs in NLP is becoming more popular. Recent work suggests that they can store common sense knowledge and factual knowledge gained from pre-trained data. We sought to test this by building a fact checker using a LLM.

PRESENTERS

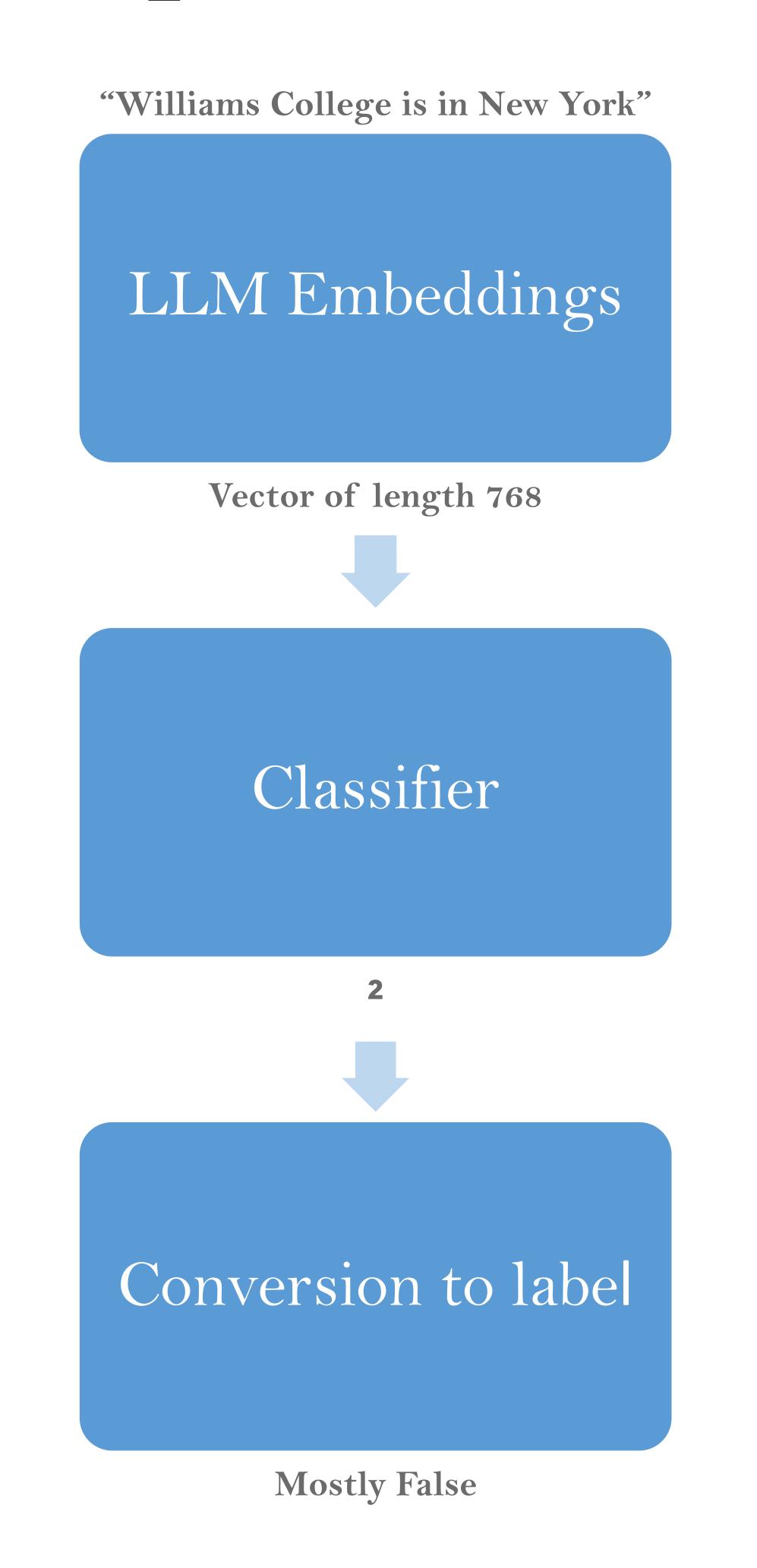
Kelsey Richter Ben Wilen

Fact Checking as a Classification Task

Politifact Dataset

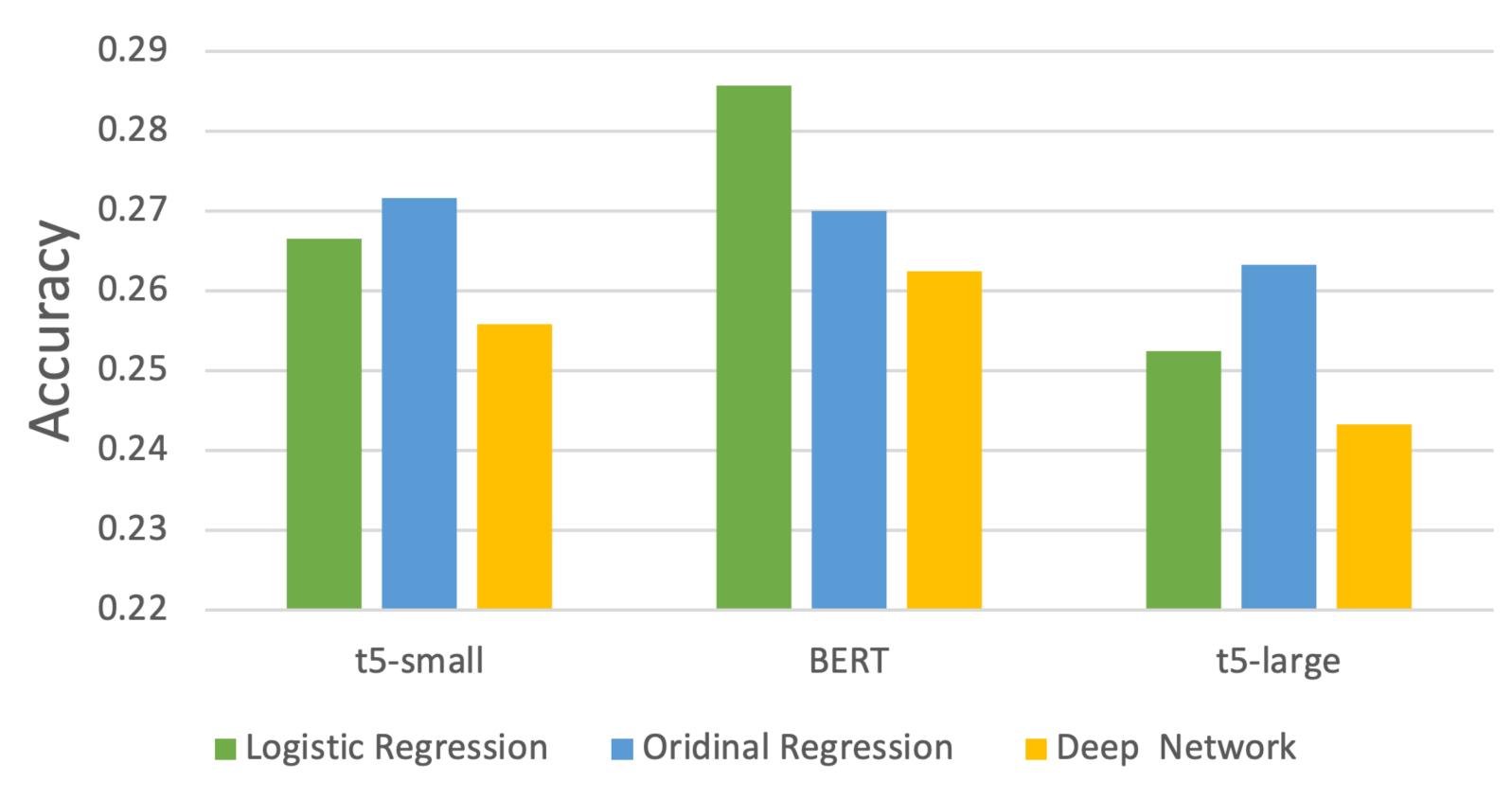
True Mostly Half Mostly False Pants Fire

Pipeline



Accuracy Findings





Note: t5-small has 60,506,624 parameters, BERT has 109,482,240 and t5-large has 737,668,096

Accuracies of Each Classification

