Homework 4: Transformers

Out: 11/20.
Due: 12/11.

1 Description

We will be building a tool that takes in a review of a particular professor and guesses how many stars that review got. (You do NOT need to set this up as a supervised learning problem).

1. Pick any five UMD professors. Use the Planet Terp api to ingest all of their reviews off of Planet Terp.

2. Use Pytorch to fine tune a model on these reviews.

3. Use a transformers to guess how many stars correspond to that review. (The transformer should just be able to do this.)

4. Compare this to the actual number of stars the reviews gave.

Create a short slide deck describing the problem, your approach (at a high level), and your overall success. Your slide deck should look attractive and professional.

For this assignment, we'll be looking closer at code–please make sure your notebook code is well organized, commented, and will run if we try to execute it.

Do not us GPT outside of visualiztions; however, feel free to copy and paste code from anywhere on the web, steal sample notebooks, whatever.