

College Essay Crisis

Case Study by Ana Cordova



Prompt:

At Point High School, teachers are grappling with the challenge of teaching students how to craft effective essay hooks. Students can't seem to grasp the concept and they are in a time crunch since college essays are coming up. Despite the school's exceptionally bright students, who are driven by numerical achievements, writing remains a stumbling block. In an attempt to address this issue, a teacher generated a model that created statistics on hooks; nevertheless, this is just a simple sentiment and syntax analysis based on very few data points. Teachers are overwhelmed with work and can't create the right material, so they've contacted you to create a machine learning algorithm that will provide metrics for crafting successful college essay hooks. The problem is they haven't only contacted you, they've hired multiple people and plan to reward the one with the best model with \$1,000,000. Do you think you can do it and help these kids get into their dream school?



Yale



Deliverable:

Find a dataset of college essays through either scrapping, Kaggle, or any other resource that works for you. Then use this data to build a machine learning model that will give out metrics on sentiments, syntax, and one more metric of your choice (use the examples provided in the repository). Additionally, create a document that includes an explanation of your data, metrics, and how this will help the kids write their college essay hook. Submit your final code and the document.