

# College Essay Crisis - Rubric

Case Study by Ana Cordova

DS 4002 - Spring 2023 - Professor Alonzi

Submission format: Upload zip file with all your documents to Canvas.

## Individual Assignment

**General Description:** Submit to canvas your zip file containing your data, code, and pdf document of the additional document.

Preparatory Assignments – Everything in the course, but especially make sure to review the example provided.

**Why am I doing this?** This is your opportunity to synthesize the lessons learned during this course and demonstrate your abilities to work with new material under pressure to simulate the real world. This might be a little bit more complicated than what you are used to, but see it as a challenge and an example of a real world scenario.

**What am I going to do?** Begin by reviewing all the articles provided at the end of the repository. Then go through all the model examples provided (model the teacher created as a first attempt to solve the problem. Then look for a data set you can use that has a proper amount of college essays (at least 100). Then you are going to choose an additional metric to show with your project and research more on sentiment and syntax analysis to be able to create the best model possible. Finally, you will write a document containing an explanation for your metrics, dataset, and how this model will help a high school student write an excellent hook for their college essay. To submit this assignment you will create a zip file that includes your data, code, and explanation document.

### Tips for success:

- Fully understand and go through the example provided. This will allow you to understand the scope of the project and the base for it.
- Take time doing research so that you become an “expert” and know what you are doing.
- Ask for help if something is not clear so you can submit your best work.
- Don’t stress, this is a case study not a real world situation; nevertheless, take it seriously so that this can be reflected in the work you submit.
- Be creative with your new metric. Take this as an opportunity to learn new things and demonstrate all the things you have learned and are capable of doing.

**How will I know if I have succeeded?** You will meet expectations on this Case Study when you follow the criteria in the rubric below:

Spec Category	Spec Details
Formatting	● Zip file has to contain the following:

	<ul style="list-style-type: none"> <li>○ Create a folder and name it yourName_StudyCase_ClassName</li> <li>○ In this folder include: <ul style="list-style-type: none"> <li>■ Code for your model <ul style="list-style-type: none"> <li>● Any language that works for you</li> </ul> </li> <li>■ Explanation Document (pdf) <ul style="list-style-type: none"> <li>● 1 to 2 pages</li> <li>● 12 font</li> <li>● Times New Roman</li> <li>● 1.15 spacing</li> </ul> </li> <li>■ Data <ul style="list-style-type: none"> <li>● Any format that works for you</li> </ul> </li> </ul> </li> </ul>
Code	<ul style="list-style-type: none"> <li>● Goal: Creation of a model that will help students write the hook for their college essay through the creation of metrics</li> <li>● Create the code in any language you feel more comfortable with</li> <li>● Include comments in order for everyone to be able to follow along the code</li> <li>● Name variables clearly</li> <li>● Write the code neatly so that everyone reading it can understand it</li> </ul>
Explanation Document	<ul style="list-style-type: none"> <li>● Goal: Explain the how and why your model can help these students write their college essay</li> <li>● Have three clear sections: <ul style="list-style-type: none"> <li>○ Metrics: <ul style="list-style-type: none"> <li>■ Explanation of your metrics</li> </ul> </li> <li>○ Dataset <ul style="list-style-type: none"> <li>■ Explanation of your dataset</li> </ul> </li> <li>○ Helpful model <ul style="list-style-type: none"> <li>■ Explanation on how your metric will help students achieve their perfect college essay hook</li> </ul> </li> </ul> </li> </ul>
Data	<ul style="list-style-type: none"> <li>● Goal: The data used to train your model</li> <li>● Find the best dataset to train the best possible model</li> <li>● Any format that works for your code is fine</li> </ul>