

Case Study Rubric – Case Study Review and Reflection

DS 4002 – Instructor: Loreto Alonzi
Due: May 8th
Submission format: PDF, via Canvas

Individual Assignment

General Description: Submit to canvas a single page pdf containing two parts. The first part is a review of a case study, and the second part is a critique of that case study after reproducing results.

Preparatory Assignments - none

Why am I doing this? This assignment provides an opportunity to engage with the data, models and pipelines created by your peers. By reviewing the work of past DS 4002 students, you'll be able to learn from both their successes and challenges, helping you refine your own approach. It will also serve as a guide for how to structure your own project into a case study when you work on CS3.

- Course Learning Objective: Prepare findings for presentation to your peers.

What am I going to do? You will begin by reading and reviewing the case study provided in this folder. Then, you'll explore the GitHub repository at <https://github.com/arooshasolomon/DS-4002/tree/main/CS3> to review the README file and examine the included scripts. Next, using the Genius API, you'll collect your own song lyric data from City Charts playlists of your choice. You'll apply the provided TF-IDF scripts to identify the most prominent themes in the lyrics. Finally, you'll analyze how these top lyrical themes relate to the cultural identity of each city.

Tips for success:

Keep the primary objective of the case study in focus and avoid getting bogged down in the fine details of the provided scripts.

- Don't hesitate to offer constructive criticism—doing so will benefit both you and your fellow DS4002 students in future coursework and professional settings.
- Always support your critiques with clear reasoning and, where possible, suggest improvements.

Spec Category	Spec Details
Formatting	<ul style="list-style-type: none"> • One page • PDF • Order <ul style="list-style-type: none"> ◦ Title ◦ Name and Course and Date ◦ Executive Summary ◦ Positive Critique ◦ Negative Critique
Executive Summary	<ul style="list-style-type: none"> • <u>Goal</u>: This short paragraph should enable the reader to understand the scope of the case study. • Summarize relevant ideas and the topic at hand. • Use short sentences. • Indicate the contents of the case study (eg: data sets, conclusions, etc.)
Positive Critique	<ul style="list-style-type: none"> • <u>Goal</u>: Describe one element of the case study that you liked and explain why. • Select something that you would incorporate into your work. It can be an organizational approach, a visual technique, etc. • Explain why this element (and the decision behind it) was done well.
Negative Critique	<ul style="list-style-type: none"> • <u>Goal</u>: Describe one element of the case study that you did not like and explain why. • Select something that you think is not a good idea to incorporate into your work. • Explain why this element does not work for you and how you would suggest a different approach. • Remember the human! A person created this element. Remember that and think about how your message will be received.