CS - Movie Genre - Rubric

Submission format: Upload link to github repo and presentation in class
Individual Assignment
General Description: Submit to canvas a link to your case study repository and present your findings in class.
Preparatory Assignments – Everything in the course, but especially class sessions about case studies

Why am I doing this?

- To practice data science skills through working on case studies
- Emphasizes research, analysis using code, and creating engaging presentations
- Demonstrates your ability to think and perform as a data scientist
- Course Learning Objective: prepare findings for presentation to your peers

What am I going to do? You will begin by reading the one-page hook document, which will give a generalized description of the case study. Then you will read over the provided materials and dataset. You will then perform an analysis on the data. Your analysis will then be packaged as a slideshow presentation.

Tips for success:

- Look at different ways of breaking up the data.
- You are also encouraged to do some independent research to support your findings.
- Use different modeling techniques.
- Have fun! This is meant to be a case study that you will enjoy and find to be useful.

How will I know I have Succeeded? You will meet expectations when you follow the rubric below.

Spec Category	Spec Details
Formatting	• Repository should contain all materials, or links to them. • Include a README.md, LICENSE.md, SRC, DATA, and FIGURES folders.

README.md	• Goal: This file will provide a general view on everything contained in your repository
	• Use markdown headers to divide content
	• Make an H2 (##) section explaining the contents of the repository
	• SRC section
	  ○ Make an H3 section for Installing/Building your code
	  ○ Make an H3 section for Usage of your code
	• DATA section
	  ○ Data Dictionary (use markdown table formatting)
	  ○ Data Files or Link to data if it doesn't fit on GitHub
	• FIGURES section
	  ○ Table of contents describing figures produced with their summaries

	• REFERENCES section
	  ○ List any outside references using IEEE formatting
	  ○ Include any acknowledgements

LICENSE.md	• Detail terms for repository use and citation. • Typically, use the MIT license.
SRC folder	• Goal: This folder contains all the source code for your project. • Include all code files you produce
DATA folder	• Houses all project data. • Use CSV file format for data. • If data is too large for GitHub, include instructions for acquisition.
Figures folder	• Goal: This folder contains all of the figures for this case study • Each figure must be labeled • Include a description under each figure with a 1-2 sentence takeaway about the figure
References	• All references should be listed at the end of the document • Use IEEE Documentation style (link)

Presentation folder	• Goal: This folder contains your presentation on the case study
	• Include your presentation in pdf format
	• Slides
	  ○ Title
	  (a) Name
	  (b) Motivating question
	  (c) Overview of topics
	  ○ Motivation
	  (a) Hypothesis
	  (b) Modeling approach
	  (c) Any relevant background information
	  ○ Data Acquisition
	  (a) Explain how you acquired the data
	  (b) Summarize your data set
	  (c) Explain any cleaning you performed on the dataset
	  (d) State the format of the data
	  ○ Analysis Plan
	  (a) Explain your analysis method
	  (b) Include an explanation on why you chose the modeling method you did
	  ○ Results
	  (a) Answer the hypothesis
	  (b) Explain the hypothesis in the context of the dataset
	  (c) Include at least 1 relevant figure
	  ○ Acknowledgements
	  (a) List your references in IEEE formatting
	  (b) Include any acknowledgements

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