CS3 Rubric – Alcohol Case Study

DS 4002
Due: Refer to Instructor Rubric
Submission format: Upload PDF and link to GitHub repo to Canvas

General Description: Submit a PDF of findings and link to your GitHub repository in Canvas.

Why am I doing this? This is your opportunity to use the lessons learned during this course and throughout your time as a Data Science student to execute and complete this project. This case study will provide you with insight into the case study process, specifically how to comprehend, perform the necessary tasks, and draw conclusions based on a real world scenario. This will provide you with experience that can inform your own case studies and any work you may do as a future Data Scientist.

What am I going to do? Based on your experience with Data Science so far, you will utilize the tools you have learned to execute the deliverable and address the task at hand. Deliverables include:

- Link to GitHub repository with all code and data used in the project
- PDF submitted to Canvas with written findings, all visualizations, and references

Tips for success:

- Use all the resources, don't try to complete it blindly!
- Immerse yourself in the story. If you act as if you are actually influencing policymakers, you will be more likely to succeed.
- Familiarize yourself with the data and modelling approach before attempting to complete the case study.

How will I know I have Succeeded? You will meet expectations of this Case Study when you follow the criteria in the rubric below.

Spec Category	Spec Details
Formatting	● GitHub Repository Link (submitted via Canvas) o The repository should contain the following: ▪ README.md ▪ LICENSE ▪ Code used to complete the case study analysis ▪ Data used for the case study (include all original and final data) ● Written Findings PDF (submitted via Canvas) o Summary of Findings o Visualizations o References
README.md	● Goal: Use this file to help orient the reader to your repository, providing background, context, and guidance.

	● Explain the contents of the repository with brief descriptions of each
LICENSE	● Goal: This license provides the terms and citation rules for your repository. ● The MIT license is a good option
Code & Data	● Goal: This should provide all of the technical information used to complete the analysis and draw conclusions. ● Code: should include… o The EDA conducted in R that visualizes the contents of the dataset and cleans the data o The python code that conducts the ARIMA analysis and predictions ● Data: should include… o Original dataset o Aggregated dataset (with countries Africa, Asia, and Europe) o Long dataset (for analysis) ● Use organized and consistent names for all the files ● Linked as files in GitHub
Written Findings	● Goal: Outline all the results in written form, along with all visualizations used to understand the dataset and interpret results. ● 1-2 paragraph summary of what the findings were, how they can be interpreted, and future implications ● Include all visualizations with captions on what each one illustrates ● 1-3 page PDF
References	● Cite all sources used that were not included in the original reference materials, use IEEE citation format

Acknowledgements: Special thanks to Professor Rasero for providing this rubric format to be used for this assignment!