CPI Project Rubric

DS 4002 - Fall 2023

Submission format: Upload link to GitHub repo

Individual Assignment

General Description: Submit to canvas a link to your case study repository.

Why am I doing this? This is your opportunity to synthesize the lessons learned during this course and prepare one of your projects for delivery through a different mechanism than the in-class presentation.

What am I going to do? You will establish an analysis plan and carry it out. The most challenging part of this assignment is knowing when you have achieved the goal laid out in the research plan and may switch gears to developing materials for presentation. Keep the goal in mind and make decisions to stay focused on that goal.

- A document detailing your analysis plan and findings.
- A slide deck to present your findings.
- Github repository with any data and code created

All of this will be submitted electronically via a link to a github repository.

Spec Category	Spec Details
Formatting	One Github Repository (submitted via link on collab)
	The top level page should contain
	 A README.md file (which auto displays)
	 A LICENSE.md file (use MIT as default)
	 A Analysis.md file (description of Analysis plan and
	summary of findings
	o A SRC folder
	o A DATA folder
	 A FIGURES folder
README.md	Goal: This file serves as an orientation to everyone who comes
	to your repository, it should enable them to get their bearings.
	Use markdown headers to divide content
	 Make an H2 (##) section explaining the contents of the
	repository
	ANALYSIS section
	 Include a summary of your analysis plan and findings.

	SRC section	
	 Make an H3 section for Installing/Building your code 	
	 Make an H3 section for Usage of your code 	
	 DATA section 	
	 (This one is tricky. Your data may (or not) fit in repo) 	
	 Data Dictionary (use markdown table formatting) 	
	 Data Files or Link to data if it doesn't fit on github 	
	 Relevant notes about use of data 	
	FIGURES section	
	 This will be in progress when MI3 is complete and 	
	finished during MI4	
	 Table of contents describing all figures produced and 	
	summarizing their takeaways	
	Use markdown table formatting	
	REFERENCES section	
	All references should be listed at the end of the	
	Readme.md file (Use IEEE Documentation style (link))	
	 Include any acknowledgements 	
LICENSE.md	Include (by link) your MI1 and MI2 assignments Cook This file appleigs to a visitor the torrest and an which they	
LICENSE.IIIU	Goal: This file explains to a visitor the terms under which they	
	may use and cite your repository.	
	Select an appropriate license from the GitHub options list on	
	repository creation.	
CDC () I	Usually, the MIT license is appropriate.	
SRC folder	Goal: This folder contains all the source code for your project.	
	Include all code files you produce	
	 The high-level documentation for this code lives in the main 	
	level README.md file.	
	 Include supplemental documentation as necessary, especially if 	
	it is too detailed/verbose for the overall readme.	
Analysis Document	Goal: be able to provide quantitative metrics that describe the	
	current state of the data	
	 Include a graphic that illustrates your analysis plan 	
	 Include in your findings measures such as correlation among 	
	CPI, S&P 500, and VGT as well as R ² from various linear	
	regressions, or any other appropriate metrics	
	 Write at least 1 paragraph drawing conlcusions from the 	
	metrics listed above	
	Maximum: 1 page, PDF Format	
Presentation Slides	About 7 slides	
	PDF format for submission to collab	
	Order	
	Title & Outline	
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	Matination /Content /Honorthesis /Docontent
0	Motivation/Context/Hypothesis/Research
	Question/Modeling Approach/Goal/Etc.
0	Data Explanation/Acquisition
0	Analysis Plan and Justification
0	Tricky Analysis Decision o Bias and Uncertainty
	Validation
0	Results/Conclusions
0	Next Steps
0	References/Resources/Acknowledgements
0	Closing Slide

Acknowledgements: Special thanks Professor Alonzi for providing the format of this rubric. This structure is pulled direction from Streifer & Palmer (2020).