COGS108 Final Project Checklist

Students have asked for a rubric. While the points for each of these checkboxes is not included, you can use this checklist to help guide your thinking on the final project. If you check off all the boxes below, you should be in good shape to get a perfect score on your final project.

Introdu	ntroduction & Background (3.5 pts)		
	Overview:		
		Write a clear summary of what you did	
		Limit overview to 3-4 sentences	
	Researc	ch Question:	
		Include your specific data science question	
		Make sure what you're measuring (variables) to answer question is clear	
	Backgro	ound & Prior Work	
		Include explanation of what work has been done previously	
		Include citations or links to previous work	
			
		Include your team's hypothesis	
		Ensure that this hypothesis is clear to readers	
		Explain why you think this will be the outcome (what was your thinking?)	
Dataset	Dataset(s) (3.5 pts)		
	Include	an explanation of dataset(s) used (i.e. features/variables included, number of observations,	
	informa	ition in dataset)	
	Source included (if outside dataset(s) being used)		
Data Ar	Analysis		
	Data Cl	eaning & Pre-processing (3.5 pts)	
		Perform Data Cleaning and explain steps taken OR include explanation as to why data cleaning	
		was unnecessary (how did you determine your dataset was ready to go)	
		Dataset actually clean and usable after data wrangling steps carried out	
☐ Data Visualization (5.25 pts)		sualization (5.25 pts)	
		Include at least three visualizations	
		Clearly label all axes on plots	
		Type of all plots appropriate given data displayed	
		Interpretation of each visualization included in text	
	<u>Data Ar</u>	nalysis & Results (8.75 pts)	
		EDA carried out with explanations of what was done and interpretations of output included	
		Appropriate analysis performed	
		Output of analysis interpreted and interpretation included in notebook	
Privacy/Ethics Considerations (5.25 pts)			
Thoughtful discussion of ethical concerns included			
	Ethical	concerns consider the whole data science process (question asked, data collected, data being	
	used, bi	as in data, analysis, post-analysis, etc.)	
Conclu	Conclusion & Discussion (5.25 pts)		
	, ,		
☐ Limitations of analysis discussed			
	Does no	ot ramble on beyond providing necessary information	

□ Submission				
	Edit all text for clarity			
	Name file FinalProject_groupXXX.ipynb (where XXX is replaced with your group number)			
	Convert file to PDF			
	Check to make sure all text and images are visible			
	☐ Submit PDF to gradescope			
	Mark which questions are on which pages			
	Add all group members to submission			