COGS108 Final Project Checklist

This guide serves as a *rough* rubric for the Final Project. 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	action &	Background (3.5 pts)		
		<u>Overvi</u>	<u>ew:</u>		
			Write a clear summary of what you did		
			Limit overview to 3-4 sentences		
		Resear	ch Question:		
			Include your specific data science question		
			Make sure what you're measuring (variables) to answer your question is clear		
		Backgr	ound & Prior Work		
			Include explanation of what work has been done previously		
			Include citations or links to previous work		
☐ <u>Hypothesis</u>		Hypoth	<u>nesis</u>		
			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?)		
	Datase	Dataset(s) (3.5 pts)			
☐ Include an explanation of dataset(s) used (i.e., features/variables included, number of		e an explanation of dataset(s) used (i.e., features/variables included, number of observations,			
	information in dataset)		ation in dataset)		
		Source	included (if outside dataset(s) being used)		
	Data Analysis				
		<u>Data Cl</u>	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		
		<u>Data V</u>	isualization (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		
		Data A	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)				
		Though	ntful discussion of ethical concerns included		
			concerns consider the whole data science process (question asked, data collected, data being		
		used, b	ias in data, analysis, post-analysis, etc.)		

Conclu	nclusion & Discussion (5.25 pts)		
	Clear conclusion (answer to the question being asked) and discussion of results		
	Limitations of analysis discussed		
	Does not ramble on beyond providing necessary information		
Submis	ubmission		
	Edit all text for clarity		
	☐ Name file FinalProject_groupXXX.ipynb (where XXX is replaced with your group numbe		
☐ 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		