STAT535: Statistical Computing	Fall 2019

Project 1: Tutorial Project

Names:

As a team, you will prepare a presentation and report extending one of the labs that we've done in class.

This project is 20% of your final grade and is comprised of four components: proposal, presentation, report, self and group reflection.

1. (2 points) **Proposal** Write a proposal of no more that 250 words in 12 point font with the following components:

   - What lab are you planning to extend?
   - How are you planning to extend the lab?
   - What is the main claim that you plan to test?
   - What results will you produce to support your main claim?

   Submit a pdf file of your proposal on moodle as a team.

2. (8 points) **Presentation** Prepare a 10 minute presentation of your project for the class. You will present as a team and each team member *must* speak and have a part in the presentation. You should have no more than 10 slides in total. The main sections of your presentation should be: title and introduction of team, introduction of the lab and your extension (main claim), the methods you used to address your main claim, the results of those methods, a logical summary describing how your results (evidence) support your main claim. Your grade will be based on the rubric shown in Section A. Submit a pdf file of your presentation slides on moodle as a team.

3. (8 points) **Report** Prepare a report of no more than 10 pages, double-spaced and in 12 point font using the latex style file provided. Your report should describe your analysis and contain the following: abstract, introduction, methods, results, and summary. Your report will be graded according to the rubric shown in Section B. Submit a pdf file of your report on moodle as a team.

4. (2 points) **Self- and Group- Reflection** Prepare a 250 word self and group reflection. Describe your contribution to the project. Describe the contributions of your teammates to the project. If anyone on the team contributed less or more, please say so. Your reflection will not be shared with the rest of the team. Your grade will be determined by the clarity of your writing and your reflection. We will take into account your assessment of the contributions of your team members in their final grade. Submit a pdf file of your reflection on moodle as an individual.

A   Presentation Rubric

	1	2	3	4	Total
Organization	Audience cannot understand presentation because there is no sequence of information.	Audience has difficulty following presentation because student jumps around.	Student presents information in logical sequence which audience can follow.	Student presents information in logical interesting sequence which audience can follow.	
Graphics	Student uses superfluous graphics or no graphics	Student occasionally uses graphics that rarely support text and presentation.	Student's graphics relate to text and presentation.	Student's graphics explain and reinforce screen text and presentation.	
Mechanics	Student's presentation has four or more spelling errors and/or grammatical errors.	Presentation has three misspellings and/or grammatical errors.	Presentation has no more than two misspellings and/or grammatical errors.	Presentation has no misspellings or grammatical errors.	
Eye Contact	Student reads all of report with no eye contact.	Student occasionally uses eye contact but still reads most of report.	Student maintains eye contact most of the time but frequently returns to notes.	Student maintains eye contact with audience seldom returning to notes.	
Elocuton	Student mumbles and incorrectly pronounces terms and speaks too quietly for students in the back of class to hear.	Student's voice is low. Student incorrectly pronounces terms. Audience members have difficulty hearing presentation.	Student's voice is clear. Student pronounces most words correctly. Most audience members can hear presentation.	Student uses a clear voice and correct and precise pronunciation of terms so that all audience members can hear presentation.	

B   Report Rubric

	1	2	3	4	Total
abstract	Does not outline methods or summarize main results or over word limit.	Partial methods or no main results.	Some methods and some results.	Succinct summary and results.	
introduction	No useful background or sources.	Secondary sources.	Some background with primary sources.	Background research with primary sources.	
methods	Methods are not statistically founded or are not reasonable for the data.	Methods are not clearly stated or are inappropriate.	Some discussion of methods but not easily reproducible.	Methods are described in a reproducible way.	
results	Figures are not clearly labeled and results are not present.	Figures are not labeled but results are evident.	Results are not related to primary claim but figures are labeled	Evidence supports main claim and figures are clear.	
summary	Incoherent or illogical summary.	Partial summary of results	Results are summarized but not connected to main claim	Clear argument connecting evidence to main claim in a logical concise way.	
grammar	Significant typos	Minor typos	Some significant grammatical errors	Minor grammatical errors	