Final Project Rubric

Introduction – Total Points Earned:

Section	Points Total	Points Earned
Take your original Introduction from the Midterm Project and spice it up! At a bare minimum your revised Introduction should include: a persuasive argument as to *why* this investigation is worthwhile, substantial background of the data (e.g., year of collection, institutional context, the unit of study, number of observations)	2	
Clearly outline the question(s) of interest you will address with the statistical analysis.	3	

Statistical Methods – Total Points Earned:

Section	Points Total	Points Earned
Provide a summary table of the mean, standard deviation, and sample size for the course evaluation scores of each attractiveness group.	2	
Produce a data visualization exploring the relationship between course evaluation score and attractiveness group.	1.5	
Produce another visualization that incorporates your chosen categorical variable into your previous visualization.	1.5	
Describe what you see in the visualizations, making direct references to the plots!	2	
For each of your research questions, outline what statistical model you will use to address the question.	4	
Check all model conditions for the statistical methods you used.	4	

Summary of Statistical Findings– Total Points Earned:

Section	Points Total	Points Earned
What is your conclusion for the first research question? Namely, "Does the mean course evaluation score differ for at least one attractiveness group?"	2	
Interpret **in the context of the data** the p-value associated with `attr_cat` in your ANOVA table.	3	
What is your conclusion for the second research question? Namely, "Does the relationship between course evaluation scores and attractiveness differ based on ___?"	2	
Interpret **in the context of the data** the p-value associated with the interaction term in your ANOVA table.	3	

Scope of Inference – Total Points Earned:

Take your original Scope of Inference from the Midterm Project and spice it up! At a bare minimum, your revisions should incorporate:

- the feedback I provided
- a description of the population of interest
- a description of the sample selected
- a justification as to who the results of the study can be inferred to
- a description of the relationships found in the analysis
- a justification as to whether causal statements can be made
- a conclusion about what type of relationships can be inferred

Points Total	Points Earned
5	

Study Limitations – Total Points Earned:

Section	Points Total	Points Earned
What limitations do you see from how attractiveness was scored for each professor?	2	
What limitations do you see from how gender was included in this study?	1.5	
What limitations do you see from how ethnicity was included in this study?	1.5	

Project Presentation – Total Points Earned:

Section	Points Total	Points Earned
Your report should not have any spelling errors! To check for spelling errors in RStudio, click the green check mark button with ABC over it, next to the "Knit" button.	1	
Your report should look as neat and professional as possible. Make sure that your figures don't end up in the middle of your paragraphs, and that your sections have headings.	2	