

Midterm Project Rubric

Introduction – Total Points Earned:

Section	Points Total	Points Earned
Give a brief background of the research problem and how the data were collected. Make sure to describe who the unit of study is.	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
Describe the response and explanatory variables.	1	
Provide a summary table of both the mean and median of evaluation scores and average beauty scores.	2	
Produce data visualizations exploring the relationship(s) you are interested in investigating.	2	
Describe what you see in the visualizations, making direct references to the plots!	1	

Section	Points Total	Points Earned
Outline the appropriate statistical model you will use to answer the question(s) of interest that you stated previously.	4	

Summary of Statistical Findings– Total Points Earned:

Section	Points Total	Points Earned
What is your conclusion for the questions of interest?	5	
Using the coefficients you obtained, write out the estimated regression equation for each level of your categorical variable.	2	
Interpret in the context of the data the coefficients from each regression equation.	3	

Scope of Inference – Total Points Earned:

Section	Points Total	Points Earned
Were the observations randomly selected from some larger population? Based on the sampling method used, what larger population can you infer these results to?	2	
Was the explanatory variable randomly assigned to observations? Based on the study design, are cause-and-effect statements justified?	2	
Statements specific to the language of the data	1	

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	