

STAT 425: Case Study 1 Rubric (Fall 2022)

Category	Points		
	1	2	3
Introduction	Project description is poorly written and is overly simplistic.	Project description is appropriate, coherent and motivating.	Project description is well motivated, interesting, and insightful.
Model Selection Process	Description of the process is very brief with not enough details.	Model selection process is relevant and correct.	Model selection process is relevant, correct, and includes many details.
Diagnostics	No model diagnostics. Or, graphs/statistics presented with no reasoning and/or explanation.	Most of model assumptions are checked, using graphs and/or statistics.	All model assumptions are checked, using appropriate graphs and/or statistics. Explanation of departures is clear and detailed.
Overall correctness of Analysis	Few results are correct.	Analysis is correct. 1-2 unclear points not addressed.	Analysis is correct. Everything is clearly explained.
Conclusion	Unclear/ vague statement of the analysis results. A lot of statistical terms used.	Clear and almost complete statement of the analysis results. Few statistical terms are used.	Clear and complete statement of the analysis results. No statistical language is used.
Report Presentation/ Organization	Presentation is not clean, and report organization is not clear.	Presentation is good, and the report is easy to read and understand.	Presentation is excellent and professional.
Use of R outputs/ R Code	Very few tables, and graphs are presented, without captions/explanations.	Appropriate use of tables and graphs. Explanation and interpretation of R outputs is limited.	Appropriate use of several tables, and graphs. Clear explanation and interpretation of all R outputs used.
	R code is not attached.	R code is attached but does not run.	R code is attached and runs.