

STAT 425: Final Project Rubric (Fall 2021)

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 Fitting	Description of the process is very brief with not enough details.	Model selection process is relevant and correct. Not many details are provided, but all steps are justified.	Model fitting and model selection methods used are correct, and include many details.
Diagnostics/ Remedials	No model diagnostics or remedials. Or, graphs/statistics presented with no reasoning and/or explanation.	Most of model assumptions are checked, using graphs and/or statistics. No appropriate remedial measures taken.	All model assumptions are checked, using appropriate graphs and/or statistics and remedials taken. Explanation of departures is clear and detailed.
Selection of Optimal Combination of Factor Levels	No optimal combination of factor levels is selected OR no justification for selected combinations.	Not well justified approach to select optimal combination. Final selection is correct, but not well supported.	Appropriate inference methods are used to select optimal combination. Sufficient detail is given to justify final selection.
Overall correctness of Analysis	Few results are correct.	Analysis is correct. 1-2 unclear points not addressed.	Analysis is correct. No grey areas.
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.
R Code	R code is not attached or does not run.	R code is attached, runs, with some comments.	R code is attached, runs, with detailed comments.