Project Rubric

Course No.: STAT   **631**   ● Fall 2024   ○ Spring 2025

	Needs Work	Basic	Proficient	Excellent
Computation Perform Computations **20 %**	Computations contain errors and extraneous code	Computations are correct but contain extraneous/ unnecessary code	Computation are correct without extraneous/ unnecessary code	Computations are correct and efficient, properly labelled and identified. The level of coding is advanced.
Analysis Choose and carry out analysis appropriate for data and context **20 %**	Choice of analysis is irrelevant, or overly simple, or missing key component	Analysis appropriate, but incomplete, or no important features made explicit, or the selected data contains only very simple features.	Analysis is relevant, appropriate and complete.	Analysis is relevant, complete, logical and sophisticated. Complicated problems are dealt with adequately.
Synthesis Identify key features of the analysis, and interpret results (including context) **20 %**	Conclusion/discussion is missing, incorrect, or irrelevant based on analysis.	Conclusion/discussion is reasonable, but only partially complete, or the data have limited feautres to be discussed.	Conclusion/discussion is correct and complete.	Conclusion/discussion explicitly connected to analysis and context. Course readings are used in the arguments frequently and properly.
Visual presentation Communicate findings graphically clearly, precisely, and concisely **20 %**	Missing plots; Inappropriate choice of plots; Incorrect or unclear plots; plots are poorly made and labelled.	Plots convey information partially and lack of context or interpretation.	Plots convey information correctly and completely. The connection to analysis is made clearly.	Plots convey information correctly with appropriate labelling. Skillful coding techniques are used to create visually effective figures.
Verbal Communicate findings in writing clearly, precisely, and concisely **20 %**	Lack of explanation; Explanation is illogical, incorrect, or incoherent. The writing is fragmental, incomplete or unclear.	Explanation is partially correct or complete. The writing contains claims or unclear passages.	Explanation is correct, complete and properly ordered. The writing is clear.	Explanation is correct, complete, and convincing. The writing is flowing and well organized. Demonstrate solid understanding of the subjects.

2024-25