

Criteria Points	Excellent (100 % or above)	Very Good (90 – 100 %)	Good (80 – 90%)	Average (70 – 80%)	Below Average (50 – 70%)	Insufficient (< 50%)
Project description, research questions 25 pts	Project objectives and the research questions are well presented, thoroughly motivated as well as discussed.		Project objectives and the research questions are mostly well presented and well motivated.	Project objectives and the research questions are briefly presented as well as discussed.	Project objectives and the research questions are not clearly presented or discussed, and partially incorrectly described.	Project objectives and the research questions are not mentioned, missing, or incorrectly described.
Description of data set 40 pts	Discussion of data attributes is excellent, details and meaning of all used and derived data variables are provided with all necessary information, and descriptive statistics of data are excellent and helpful for the understanding of the project.	Discussion of data attributes is very good, details and meaning of used and derived data variables are provided, and descriptive statistics of data are very good and helpful for the understanding of the project.	Discussion of data attributes is good, details and meaning of most used and derived data variables are provided. Descriptive statistics of most variables is good. Some details or descriptions missing or unclear.	Discussion of data attributes and descriptive statistics is appropriate, albeit brief. Details or descriptions that would be useful for the project understanding are missing.	Discussion of data attributes and descriptive statistics is only rudimentary and doesn't provide necessary details. Short or missing descriptions of data.	Discussion of data attributes and/or descriptive statistics inadequate or missing.
Outlook of planned statistical methods (only for Milestone 1) 10 pts	Excellent and very thorough outlook and plan for the subsequent activities that makes very clear what next steps are planned.	Very clear and thorough outlook and plan for the subsequent activities.	Clear and mostly thorough outlook and plan for the subsequent activities, albeit with some unclear details.	Mostly thorough outlook and plan for the subsequent activities, but lacks some depth and/or rigor.	Brief outlook and plan for the next activities that leaves open several/many questions.	Outlook and plan for the next activities is either missing, unclear, or very inadequate.
Description of conducted statistical tests and methods Evaluation and interpretation of results 110 pts	Excellent implementation of the correct statistical models covered in class, including assumption tests. Excellent description of the conducted activities including visualization where appropriate. Evaluation of the results is completely correct. Thorough and correct interpretation of the model results (significance, etc.).	Very good implementation of the correct statistical models covered in class, including assumption tests. Very clear description of the conducted activities including visualization where appropriate. Evaluation of the results is almost completely correct. Thorough and correct interpretation of the model results (significance, etc.).	Good implementation of the correct statistical models covered in class, including assumption tests. Some small mistakes in the implementation possible. Clear description of the conducted activities including visualization where appropriate. Evaluation of the results is mostly correct. Overall correct interpretation of the model results (significance, etc.).	Average implementation of the correct statistical models covered in class, including some of the required assumption tests. Small mistakes in the implementation possible. Description of the conducted activities can be clearer. Visualization can be used better to present the results. Evaluation of the results is mostly or partially correct. Mostly correct interpretation of the model results (significance, etc.).	Partially correct implementation of the statistical models covered in class, including some of the required assumption tests. Mistakes in the implementation possible. Description of the conducted activities should be clearer. Visualization can be used to present the results in a better way. Evaluation of the results is partially correct with significant issues. Rudimentary interpretation of the model results (significance, etc.).	Mostly incorrect implementation of the statistical models covered in class. Required assumption tests are missing, and mistakes in the implementation. Description of the conducted activities unclear or missing, with inadequate visualization. Evaluation of the results is either missing or incorrect with significant issues. Interpretation is missing or incorrect. Minimum requirements (# topics from chapters 13-16 and 11-18) not met.
Summary and Conclusion 25 pts	Insightful discussion, summary, and conclusions.		Overall good discussion, summary, and conclusions.	Decent discussion, summary, and conclusions, yet lacks some detail.	Rudimentary discussion and conclusion, detail missing.	Missing or completely unsatisfactory discussion and conclusion.
Written Presentation (Project Report) 20 pts	Well written, with no (large) language errors. All figures are well conceived and readable. Report follows the guidelines. References are appropriately and correctly used (if appropriate).		Main document has a few language and/or style errors. Figures are well presented. Report mostly follows the guidelines. References are complete, and correctly used (if appropriate).	Main document is readable with some language and/or style errors. Some figures may be hard to read or presented in a suboptimal manner. References are mostly complete and correctly used (if appropriate). Littered with typos, and/or poor use of English. References (if any) are probably incomplete.	Littered with typos, and/or poor use of English. References (if any) are probably incomplete.	
Powerpoint Presentation 20 pts	Overall excellent and very concise presentation of the project. Selection and use of figures is excellent and helps the storyline. Main findings and recommendations are clear.		Good presentation of the project. Selection and use of figures is appropriate and helps the storyline. Main findings and recommendations are mostly clear, yet lack some clarity.	Presentation of the project is adequate but lacks detail and/or leaves open questions. Selection and use of figures is mostly appropriate and often helps the storyline. Main findings and recommendations are adequate, yet lack clarity and require clarification.	Poor presentation of the results. Hard to follow storyline. Use of results and main findings is not easy to follow and require substantial clarification	

