STA302/1001 Fall 2020 Assignment 3 Rubric
Written/Approved by: Shivon and Tidy Team A3
Missing work will receive 0 credit.

Part	Poor-1	Average-2	Good-3	Exceptional-4
Technical Compilation	Rmd file does not compile. Codes are not unique. Codes are not organized and are difficult to read.	At least 60% of chunks work. However, the results deviate from what is shown in the video. Some codes are unique. Little comments are given to help understand codes.	At least 80% of the chunks work. The results displayed in the video are comparable to what is shown on the video. Most codes are unique. Some comments are given to help understand codes.	Rmd file knits. The only data file that is externally sourced is the assignment data. Knitted file corresponds to report used in video presentation. Codes are unique. Comments are given to help understand codes, especially when R packages are used.
Video Presentation	Insufficient length of the video to cover enough relevant material (<2min). The presenter is not shown doing the presentation. Presentation is unclear throughout the video, which presents major difficulties for understanding. Objectives, methods, results and conclusions are not properly explained.	Video is too short or exceeds the time limit. The presenter is sometimes shown doing the presentation. Presentation can be frequently unclear, which present difficulties for understanding. Objectives, methods, results and conclusion are not clearly articulated throughout the presentation.	Video is too short or exceeds the time limit. The presenter is always shown doing the presentation. Presentation can be unclear at times, which present minor difficulties for understanding. Objectives, methods, results and conclusion are correct but not clearly articulated enough.	Adequate length of the video (3 min). The presenter is always shown doing the presentation. Presentation is clear and sufficiently loud to facilitate ease of understanding. The objectives, methods, results and conclusion have been clearly articulated within the time limit.
Written Presentation	An extensive amount of extraneous R codes and model outputs are	Several segments of extraneous R codes / model outputs are	A few extraneous R codes and model outputs are included in the final report.	No extraneous R codes and unnecessary model outputs are included in the final report.

	included in the final report. Report is poorly organized. Report does not follow a logical flow hence presents significant obstacles for readers to grasp the answers.	included in the final report. Report is not well-organized for many sections. Report does not follow a logical flow for many sections hence makes it difficult for readers to grasp the answers.	Report is visually pleasing and well-organized for most sections. Report follows a logical flow for most sections.	Report is visually pleasing and well-organized. Report follows a logical flow hence facilitates readers to grasp the answers.
Data Manipulation	No seed provided or sampling was performed incorrectly. New variables specified incorrectly. No explanation given for why observations or predictor were (or were not) omitted from sample. Removed more data than allowed.	Sampling performed with minor errors, but in a reproducible manner. The sampled IDs are either not reported, or their presentation is not easily understood. New variables specified correctly. Explanation for why observations or predictor were (or were not) omitted from sample is given, but is unconvincing, incorrect, or lacks enough detail to reproduce.	Sample selection and case removal performed correctly and in a reproducible manner. The sampled IDs are reported, but the presentation could use improvement. New variables specified correctly. Explanation for why observations or predictor were (or were not) omitted from sample is somewhat convincing.	Sample selection and case removal performed correctly and in a reproducible manner. The sampled IDs are reported and their presentation is clean and readable. New variables specified correctly. Clear and convincing explanation for why observations or predictor were (or were not) omitted from sample.
Exploratory Data Analysis	Several errors in plots, summary statistics and descriptions. Proper labels not	Some errors in plots, summary statistics and descriptions. Proper labels	Minor errors in plots, summary statistics and descriptions. Proper labels given for most	Appropriate plots, summary statistics and descriptions are included. Proper labels given for each plot to help referencing.

	given for plots. All the plots may be superfluous or inappropriate. Several interpretations of plots may be inappropriate. Required format is not followed.	given for some plots. Some interpretations of plots may be inappropriate. Required format is not followed.	plots to help referencing. Most interpretations of plots are appropriate. Required format is not followed.	Appropriate interpretation of plots given. Number of graphs does not exceed the limit.
Methods and Model	Little work. Models, interpretations, and discussions are missing.	Major errors in completion, notation, interpretation, and justification. or interpretation.	Minor errors in completion, notation, interpretation, and justification.	All key components successfully completed with statistical accuracy and precision. Notation is statistically sound. Interpretations are correct. Methods are statistically justified.
Discussion and Limitations	Little work. Major conceptual errors for key components. Inappropriate plot(s) used. No explanations or discussions given. Discussion is off-topic or overly verbose.	Not all subparts attempted and/or some errors in statistical accuracy. Key components answered but minimal explanations or discussions given.	All subparts attempted, but minor errors in statistical accuracy. Most diagnostics were performed and discussed. Interpretations are not fully elaborated.	All key components successfully completed with statistical accuracy and precision. Appropriate plots reported and interpreted. Discussions/limitations are full yet concise.