

	Does not meet expectation 0-60%	Meets expectation 60-90%	Exceeds expectation 90-100%
<b>Project</b>	Total weights: 100.		
Introduction (10)	Does not meet the requirements under "Meets expectation"	The introduction states the questions of interest and the impact of results of this data analysis. In addition, the introduction provides a brief overview of the problem setup, source of data, key variables, and possible hypotheses.	The introduction clearly states the questions of interest and the impact of results of this data analysis, along with real-world motivation. In addition, the introduction provides a precise and concise description of the problem setup, source of data, key variables, and
Background (10)		The report contains basic discussion of the source of data, target population, sampling mechanism, explanation of variables, and very brief reviews of existing research or known results that are relevant to this topic. <del>The background discussion gives readers, who are familiar</del>	The report contains extensive and selective discussion of the source of data, target population, sampling mechanism, explanation of variables, and reviews of existing research or known results that are relevant to this topic. <del>The background discussion gives readers, who are familiar with this</del>
Descriptive analysis (10)		The descriptive analysis provides basic univariate descriptive statistics for relevant variables (mean, standard deviations, missing values, quantiles, etc.), and a few multivariate description of key variables. <del>Readers that are familiar with this topic or statistics gain</del>	The descriptive analysis provides thorough descriptive statistics for most variables, which include univariate descriptive statistics for all variables (mean, standard deviations, missing values, quantiles, etc.), multivariate descriptives of key variables, and insightful patterns in the data set. <del>The descriptives are presented in visually</del>
Predictive/inferential analysis (20)		The report states the statistical model, method, or procedure in use, which includes the introduction of notation, interpretation of the parameters, statements of assumptions, etc. <del>There are no major errors in the model and implementation</del>	The report clearly states the statistical model, method, or procedure in use, which includes the introduction of notation, interpretation of the parameters, statements of assumptions, etc. There are no major errors in the model and implementation of the model. <del>The report provides sound justification of the chosen model and the</del>
Sensitivity analysis (10)		The report examines the plausibility of key assumptions in this analysis using visualization and/or rigorous tests. In addition, results from alternative methods are obtained and compared with results in the main analysis, to evaluate the impacts of key assumptions.	The report conducts extensive sentivity analysis to examine the plausibility of key assumptions in this analysis using visualization and rigorous testings. In addition, results from alternative methods are obtained and compared with results in the main analysis, to evaluate the impacts
Conclusions (10)		The report states the conclusions of the analysis. The conclusion demonstrates basic understanding of the model/method/procedure, attempts to offer real-world meaning of the findings, and acknowledgement of caveats of this report.	The report clearly states the conclusions of the analysis in the context of the data set. The conclusion demonstrates thorough understanding of the model/method/procedure, real-world meaning of the findings, and acknowledgement of caveats of this report. <del>Readers that are familiar with this topic or statistics can understand</del>
Organization and legibility (10)		The report has a clear and logical structure. The writing and visualizations are generally legible with limited errors. Readers that are familiar with this topic or statistics can read the report with few obstacles.	The report is very well organized and written. Readers that are familiar with this topic or statistics enjoy reading this report.
Report formats (5)		The report is compiled as an html file with no errors. Readers can open the report and see no issues due to compilation.	The report is compiled as an html file with proper font sizes, well-embedded graphs/animations, hyperlinks, embeded webpages, etc. Readers enjoy interacting with the report.
Creativity and originality (5)		The report demonstrates additional efforts in any of the above categories. For readers that are familiar with this topic or statistics, these additional efforts provide additional insights in the data set, additional information of existing results in the	The report demonstrates significant additional efforts in any of the above categories. For readers that are familiar with this topic or statistics, these additional efforts provide impressive insights in the data set, additional information of existing results in the literature, or legibility

Reproducibility (10)		The source file (e.g., RMD file) can reproduce the report, with exceptions for changes in working directory, software versions, OS systems.	The source file (e.g., RMD file) is well-documented with reproducibility in mind. For instance, a readme document is included to offer instructions for using these files, codes are well-commented, the files are well-structured, the script/file are tested in various systems, etc.
<b>Presentation</b>	In addition to the categories under <b>Project</b> . Total weights: 50.		
Delivery (15)		The speakers deliver the presentation with appropriate volume, clear pronunciation, and with few disfluencies. Audience can follow the presentation, and are engaged for most of the time.	The speakers deliver the presentation in a confident, enthusiastic and professional manner. Audience enjoy the presentation.
Organization (15)		Decent presentation slides (or in other formats) that are informative and visually appealing. The presentation organizes, in a logical manner, key materials that are selected given the time constraint. <del>The presentation is finished within 2 minutes (plus/minus)</del>	Carefully crafted presentation slides (or in other formats) that are informative and visually appealing. The presentation organizes selected key materials with audience's interest and the time constraint in mind. <del>The presentation is finished within 30 seconds (plus/minus) of the</del>
Responses to questions (10)		Properly answer all questions when possible. This includes acknowledgements of caveats and not knowing. Audience feel that their questions are answered.	Questions are answered with readiness, enthusiasm and confidence. Audience gain insights from the answers provided.
Creativity and originality (10)		The presentation demonstrates additional efforts in any of the two categories above that improve the engagement of the presentation. Audience recognize and appreciate these efforts.	The presentation demonstrates additional efforts in any of the two categories above that significantly improve the engagement of the presentation. Audience are impressed by the novelty in the presentation.
<b>Discussion report</b>	Total weights: 50.		
Thoroughness (20)	Does not meet the requirements under "Meets expectation"	The peer-review report demonstrates good understanding of the report under review, in particular, the peer-review report recognizes the merits in the report under review and points out most of the major issues in the report under review.	The peer-review report shows that the reviewers have read and understood the report under review very well. The peer-review report covers most of the major issues in the report under review, and elaborates why those issues are raised with convincing evidence and references. <del>The peer-review reports also</del>
Solutions (20)		The peer-review report provides suggestions to fix most of the issues it raises. Readers that are familiar with this topic or statistics can evaluate how practical these suggestions are, and how much they can improve the quality of the report under review.	The peer-review report goes extra miles to offer suggestions for fixing most of the issues it raises. Readers that are familiar with this topic or statistics can evaluate how practical these suggestions are, and how much they can improve the quality of the report under review.
Organization and legibility (10)		The report has a clear and logical structure. The writing and visualizations are generally legible with limited errors. Readers that are familiar with this topic or statistics can read the report with few obstacles.	The report is well organized and well written. Readers that are familiar with this topic or statistics enjoy reading the report.