

Name:

Applied Stats Individual Project Evaluation	Possible	Score
Introduction and motivation for the project – 8 pts		
Is the overarching question motivating the analysis clearly stated and explained? Are the specific questions this analysis will address clearly stated and explained?	4	
Is relevant literature described and properly cited? Is the connection between the literature and this work made clear?	4	
Data – 13 pts		
Is the data source described and referenced?	3	
Is each variable used in the analysis defined, including: - descriptions of the levels for categorical variables - units for numerical variables	6	
Are data preparation and cleaning procedures clearly described so that the study could be replicated by another researcher? Is the handling of missing data/unusual observations/outliers described and is there sound rationale for it? Is the initial and final number of observations in the analysis reported and are those that were removed accounted for?	4	
Statistical Analysis – 20 pts		
If necessary, were interactions and data transformations explored? Were these included in the model when appropriate? Were the conditions of the model checked, and were they met?	10	
Was thoughtful variable selection employed to decide upon the final model? Was the final model compared with simpler options, and the form of the final model justified?	10	
Results – 20 pts		
Are descriptive statistics provided for key variables? Are they presented in a tabular form that is concise and informative?	5	
Are results of modeling reported in appropriate tabular form with parameter estimates, standard errors, p-values, and confidence intervals?	5	
Are parameter estimates and CIs correctly interpreted in the context of the research question?	5	
How well are graphics/figures/equations presented? (axes labeled, captions, placement, readable, useful, add to content)	5	
Discussion – 21 pts		
Does the discussion begin with an accurate summary statement of the major findings of the analysis? Are R^2 or misclassification rate reported (either here or in Results)?	4	
Are the possible implications of the results discussed in the context of the research question?	3	

Is there a thoughtful discussion of generalizability of the results? Are limitations of the study identified and is the potential impact on the conclusions stated?	4	
Are strengths and weaknesses of the analysis identified, including a discussion of model conditions?	4	
Are potential confounding variables discussed?	3	
Are suggestions for future research identified and useful?	3	
Overall – Report – 18 pts		
Were research question(s) complex and insightful, demonstrating understanding of the research topic?	6	
How well does the author demonstrate an understanding of the statistics? Are statements and conclusions accurate?	6	
How well-written is the report (e.g., correct grammar, spelling, etc.)?	6	
(Tentative) Total	100	
Supporting Materials (points to be deleted)		
Bibliography included; citations are stylistically consistent.	-3	
Title and author appropriately identified	-5	
Paper follows formatting guidelines (1.5 spacing, 8 page max, etc.)		
Grand Total		