DATA 603 Project: Project Report Grading Rubric

Name of all group members: _____

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Introduction   7 points

Introduction: state objectives of the studies, research question, and expected finding clearly.	3
Topic: a clear statement why the project topic is important to your group or others.	2
Data: Source of data identified clearly.	2
Total earned	

Methodology   7 points

Descriptive Statistics: each research variable is described and defined their type of measurement correctly.	3
Modelling: fully describe project plans and all methods for modelling.	4
Total earned	

Main results of the analysis   12 points

Software codes	-Provide R codes and outputs for all model methods used correctly. -Provide R codes and outputs for all model Assumptions correctly.	6
Finding	From outputs, provide explanation of p-value from hypothesis tests, model selections, and model assumption tests in order to find the best fit model.	3
Visualizing Plot	Present graphs such as scatter plot, residual plot correctly and explain the results from graphs.	3
	Total earned	

Conclusion   14 points

Conclusions	Choose the best fit model based on the dataset	3
	Provide clearly summation why this model is the best fit model for the data	3
	From the best fit model selected, interpret the effects of each independent variable.	2

	From the best fit model selected, interpret accurately
	    MLR: R^2adj , and RMSE
	    LR: AIC, ROC ,and Deviance
		2

Discussions	Provide a general discussion of the results (are they what you expected? Did anything unusual or unexpected results?)	2
	Have a discussion of possible improvements/changes to the best model selected.	2
	Total earned	

Organization & Readability   5 points

Report: exceptionally well organized and well written report.		3
Format: submit in R Markdown and .html or .pdf file via Dropbox		2
	Total earned	

Total: 45 points   **Total earned: ………………………points**

DATA 603 Project: Project Presentation Grading Rubric

Name of all group members: _____

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Category	Below Standard	Collegiate Quality	Flawless Excellence	Possible	Earned
Introduction	Did not state research question, objectives of studies and expected finding	stated some of the research question ,objectives of studies, and expected finding	Explained all research question objectives of studies and expected finding		
Variables	Did not define variables	defined variables but did do clearly	defined variables clearly		
Regression Analysis: Model methods	Failed to explain how to find the best model when using model methods	Some of model methods used to find the best model were explained correctly	Exceptional explained how to find the best model when using model methods.		
Regression Analysis: Model Assumption	Failed to explain how to check model assumptions	Some of model assumptions were checked correctly	Exceptional explained how to check and make conclusion correctly		
Interpretation of Coefficients, R^2 adj, and RMSE					
Conclusion and Discussion					
Clarity, Poise, Timeliness	Presenter was not familiar with slides or material; poorly rehearsed	Familiar with material but spoke hesitantly,	Presentation was polished and professional		

		lacked poise, or exceeded allotted time	and speaker was completely familiar with slides and material; well rehearsed and completed within allotted time		
Technology	Trouble with PPT, were not available or contained,multiple writing errors, distracting animations or sounds, or unreadable text (e.g., bad color schemes, fonts too small, crowded or confusing layout)	Good PPT slides, readable text in well-organized layout with minimal writing errors	Polished and professional looking PPT slides: appropriate supporting charts and/or graphics,		
Total					