

Project Rubrics:

Report (15%)	Items	Required
1	Delayed Dataset Selection	Utilized the same assigned dataset.
2	Problem/Task objectives/Goals	Well-motivated, interesting, insightful, and novel
3	Selection of the data	Data have 10-20 mixed variables (i.e., categorical and numerical) and more than 300 samples.
4	Listing and identification of the variables	The description and type of variables are well reported
5	List inconsistencies, missing data, and outliers	Inconsistencies, missing data, and outliers are reported, and appropriate tools are adopted to fix these issues
6	Statistical Summary	The statistical summary is well provided for both numeric and categorical variables
7	Graphics	Plots convey information correctly with adequate and appropriate information, and all varieties of plots (Univariate, Bivariate, and advanced) are considered
8	Relationship	Correlation is reported, and results are well-concluded
9	Data Analysis and model selection	Analysis/model is appropriate, complete, advanced, and informative (Multiple appropriate models or alternative models are used)
10	Validation of Model	Did validation analysis and chose the final model on the best parameters
11	Interpretation of analysis	Relevant interpretation on unscaled data, is explicitly tied to analysis and context
12	Operationalize	Provided problems and notes on implementation in full detail
13	Results/Conclusion	Relevant conclusions are explicitly tied to analysis and context. Key findings are well communicated.
Total Project Score (15)		

Presentation (5%)	<i>Items</i>	<i>Required</i>
1	Pitch, Body Language & Eye Contact	Volume, tone, and timing are used to enhance presentation. Excellent pace, great enthusiasm. Always face audience and have good eye contact.
2	Time Management	Presented all requirements of the project within the given time.
3	Focus & Articulation	Clear description, goals, and objectives. Clear, precise, and correct pronunciation.
4	Presentation quality and organization	It adds significant value and is used seamlessly.
5	Responding to Questions	Answer all questions effectively, smoothly, and convincingly.