

Assignment 2: Analytic or Machine Learning Model Rubric					
Criteria	Ratings				
Student Name on Assignment	Yes 1 pts	No 0 pts			
Written content is no longer than three pages	Yes 1 pts	No 0 pts			
Assignment is free of noticeable typos	Yes 1 pts	No 0 pts			
Question 1: Question being answered is clearly stated before analysis	Yes 10 pts	No 0 pts			
Question 1: Code is present and contains in-line documentation describing columns, processing, etc	Exceptional 8 to 7 pts	Great 6 to 5 pts	Good 4 to 3 pts	Poor 2 to 1 pts	Missing 0 pts
Question 1: SQL is used as a data source	Yes 10 pts	No 0 pts			
Question 1: Analytic: Data is cleaned ML: At least one sensible feature created	Exceptional 8 to 7 pts	Great 6 to 5 pts	Good 4 to 3 pts	Poor 2 to 1 pts	Missing 0 pts
Question 1: Analytic: At least two tables, final query is free of ID fields ML: At least two tables, final query is free of ID fields	Yes 8 pts	Only One Table or ID Fields Not Replaced 4 pts			None 0 pts
Question 1: Analytic: Performance metric over time created ML: Accuracy/Confusion Matrix/P-Value/etc reported	Yes 6 pts	No 0 pts			
Question 1: Analytic: Data model discussion is sensible and comprehensive, physical/logical data model included and described ML: Monitoring and ground truth ideas are sensible and well-described, physical/logical data model included and described	Exceptional 8 to 7 pts	Great 6 to 5 pts	Good 4 to 3 pts	Poor 2 to 1 pts	Missing 0 pts
Question 1: Analytic: Description of insights garnered are clear and justified by the query ML: Description of algorithm choice and model purpose is clear and correct	Exceptional 8 to 7 pts	Great 6 to 5 pts	Good 4 to 3 pts	Poor 2 to 1 pts	Missing 0 pts
Question 2: Plot exists	Yes 8 pts	No 0 pts			
Question 2: Plot axis labels have been named sensibly, plot has a title (unless using SQLite interface, then not possible)	Yes, Both Axes Labeled and Titled 6 pts		One Label Missing 4 pts	Two Labels Missing 2 pts	Missing 0 pts
Question 2: Description of plot is informative and consistent with the dataset produced by Q1	Exceptional 8 to 7 pts	Great 6 to 5 pts	Good 4 to 3 pts	Poor 2 to 1 pts	Missing 0 pts
Question 3: Student reflection on SQL in day-to-day work/life	Exceptional 6 to 5 pts	Good 4 to 3 pts	Poor 2 to 1 pts		Missing 0 pts
Bonus Marks	Exceptional 3 to 1 pts		None 0 pts		
Total (out of 100)					