Cx1115: Theory Quiz: Sample

- o There are 5 questions in this quiz. Total points are 10. Marks for the questions may be different. Attempt ALL.
- o In there is any confusion regarding the correct answer(s), choose the one(s) that seem(s) the most appropriate.
- o You are allowed 7 minutes to complete the quiz. All questions will appear together on a single page (scrolling).
- o Please remember to "Save and Submit" the quiz, once you are done. You will see a timer and relevant warnings.

Rules

You are allowed to use your Pen/Pencil and Calculator. You will be provided with a blank sheet of paper for rough work. Possession of any personal gadget or electronic device (other than calculator) is prohibited during the quiz. Please keep all your belongings in a bag, and store away for the entire duration of the test. Please talk to the Lab In-Charge and your TA immediately if you face any problem whatsoever with the Lockdown Browser or with accessing the quiz questions.

Questions

1.	Which kind of Data Science problem does <u>Spar</u> decide if an email is a genuine email or spam.			
	□ Regression □ □ Clustering □	Classification Forecasting	(1 marks)	
2.	. What is the most appropriate characterization of the MRT Map of Singapore?			
	□ Structured Categorical Data□ Numeric Time Series Data□	Unstructured Text Data Network or Graph Data	(1 marks)	
3.	What proportion of a data is greater than or e	qual to its Third Quartile (Q3)?		
	□ 25 % □ 50 % □ 75 %	□ 95%	(2 marks)	
4.	If after Linear Regression, the Mean Squared Error (MSE) is 25 and the Variance of the Response Variable is 100, what is the value of the <u>Explained Variance</u> (R ²)?			
	□ 0.25 □ 0.50 □ 0.75	□ 1.00	(4 marks)	
5.	Which mode of visualization is the best for cor	mparing the prices of two products?		
	□ Bubble-Chart, with Prices as Area□ Pie-Chart, with Prices as Sectors	Bar-Plot, with Prices as Length Heatmap, with Prices as Colors		
			(2 marks)	