Introduction to Data Science

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MODULE 8 QUIZ

Question 1

Which of the following describes a need for data visualization in a data science project?

    (a) Refine your selection of feature variables that will be used later for machine learning

    (b) Obtain confidence in your data to a point where you're ready to engage a machine learning algorithm

    (c) Discover new patterns and associations between variables

    (d) All of the above

Question 2

Which one of the following best characterizes exploratory graphs?

    (a) Communicate results to other people

    (b) The goal is for personal understanding

    (c) Serve as a permanent record of the data science project

    (d) None of the above

Question 3

Which graph type serves to visualize relationships between quantitative variables?

    (a) barplot

    (b) boxplot

    (c) scatterplot

    (d) histogram

Question 4

Which best describes the purpose of the `pairs()` plot in R?

(a) Plots the quantiles of one variable against another

(b) A plot where color intensity represents how large a data value is

(c) A useful way of displaying the pairwise relations between variables in a dataset

(d) A plot of an observation variable that is a graphical representation based on its quartiles, as well as its smallest and largest values.

Question 5

Which of the following best characterizes expository graphs?

(a) Used to communicate the data's story to other people

(b) Size and color should be used to communicate information

(c) Should include large, easy-t-read titles, axes and legends

(d) All of the above