Data Representation Graded Quiz

Graded Quiz • 30 min

**Due** Aug 10, 12:29 PM IST

**Congratulations! You passed!**

**TO PASS**80% or higher

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**Data Representation Graded Quiz**

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1.Question 1

You have a data set that contains the study time and quiz grade for each student in a college class. What's the best representation to use to understand the data?

**25 / 25 points**

Histogram

Scatterplot

Line Graph

Pie or Bar Chart

**Correct**

Correct. We use scatterplots to observe the relationship between two variables and to look for patterns in the data. This was one of the examples in the scatterplot video.

2.Question 2

You have a data set that contains the overall Grade Point Average (GPA) for each student in a college class. What's the best representation to use to understand the data?

**25 / 25 points**

Pie or Bar Chart

Histogram

Line Graph

Scatterplot

**Correct**

Correct. Histograms are best for showing the shape of a distribution; that would be very helpful for this data set.

3.Question 3

You have a data set that contains the population of a particular city at various points in time over the last 100 years. What's the best representation to use to understand the data?

**25 / 25 points**

Scatterplot

Histogram

Line Graph

Pie or Bar Chart

**Correct**

Correct. Line graphs are used to show trends over time or some other dimension. The line segments between each pair of points in a line graph implies "progression" from one point to the next, and that's exactly what we're doing here.

4.Question 4

You have a data set that shows how many of each flavor of doughnut your doughnut shop sold in the previous month. What's the best representation to use to understand the data?

**25 / 25 points**

Pie or Bar Chart

Scatterplot

Line Graph

Histogram

**Correct**

Correct. Pie and Bar Charts are used for comparing different categories. In our data set, each doughnut flavor is a different category.