

Quiz 1.5 | Data visualization

Due	No due date	Points	8	Questions	7	Time Limit	None
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Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	57,803 minutes	5 out of 8 *

* Some questions not yet graded

Score for this quiz: **5** out of 8 *

Submitted Oct 1 at 9:26pm

This attempt took 57,803 minutes.

Correct!

Question 1

1 / 1 pts

Fill in the blank: The data value has numerical value and can have a finite number of possibilities.....

☒ Discrete

☐ Continuous

☐ Ordinal

☐ Nominal

Question 2

1 / 1 pts

Rows in a dataset suggest:

Correct!

- ☐ features
- ☐ dimensions
- ☒ objects
- ☐ attributes

Question 3

1 / 1 pts

Type of graph used to represent relationship between two features of a dataset:

Correct!

- ☒ Scatter plot
- ☐ Bar graph
- ☐ Histogram

Question 4

1 / 1 pts

What defines the normal distribution of a variable?

Correct!

- ☐ Mean and variance
- ☐ Frequency of the variable
- ☐ Variance
- ☒ Mean and standard distribution

Question 5**Not yet graded / 1 pts**

Name the following: which are the two types of categorical variables?

Your Answer:

There are two types of categorical variables:

1. Mutually Exclusive - which is one category and in another category.
2. Exhaustive - includes all possible options

Question 6**1 / 1 pts**

What is the mean and standard deviation of a standard normal distribution?

Correct!

- ☒ mean = 0, standard distribution = 1
- ☐ mean = 1, standard distribution = 0
- ☐ mean = 10.2, standard distribution = 6.7
- ☐ mean = 2.8, standard distribution = 3

Question 7**Not yet graded / 2 pts**

Write down the formula for Standard deviation.

Your Answer:

The formula of standard deviation (σ_x) is given by:

$$\sigma_x = \sqrt{\frac{\sum_{i=1}^n (x_i - \mu_i)^2}{n - 1}}$$

Where:

μ_i = mean of the data point

x_i = ith data point

n = total number of data points



Quiz Score: **5** out of 8