

# Exploratory Data Analysis

Puntos totales 90/100 ?

Se ha registrado el correo del encuestado (0224969@up.edu.mx) al enviar este formulario.

✓ It is a feature that has an unlimited number of values \* 5/5

☒ Continuous



☐ Discrete

✓ Which one is an example of an ordinal feature? \* 5/5

☐ Temperature

☒ Scholarly



☐ Birthplace

✓ Which of the following expression is correct? \* 10/10

☒ The more the data, the better the learning



☐ We need at least 1000 samples for fitting an adequate learning model



✓ It measures the linear dependency between two numeric features. It has a limited range of values between -1 and 1. \* 5/5

☒ Correlation ✓

☐ Covariance

☐ Interquartile range

☐ Variance

✓ These charts can be used in categorical features \* 5/5

☒ Bar plot ✓

☐ Histogram

☐ Boxplot

☐ Scatter plot

☒ Pie plot ✓

☒ Rectangular pie chart ✓

Nombre completo \*

Luis Eduardo Robles Jiménez

✓ Traditionally in a dataset, rows represent \* 5/5

☐ Features

☒ Samples ✓



✓ Which one is an example of a categorical feature? \*

5/5

- ☐ Temperature
- ☐ Scholarly
- ☒ Birthplace



✓ Which of the following metrics are designed for categorical features? 5/5  
\*

- ☐ Average
- ☒ Entropy
- ☒ Mutual information
- ☐ Covariance
- ☒ Mode
- ☐ Standard deviation
- ☐ Interquartile range
- ☐ Correlation



✓ It allows identifying outliers (atypical values) \*

5/5

- ☐ Bar plot
- ☐ Histogram
- ☒ Boxplot
- ☐ Scatter plot
- ☐ Pie plot
- ☐ Rectangular pie chart



✓ It measures the surprise or the chaos \*

5/5

- ☐ Average
- ☒ Entropy
- ☐ Mutual information
- ☐ Mode



✗ Which of the following metrics are designed for numerical features? \* 0/5

- ☒ Average ✓
- ☐ Entropy
- ☐ Mutual information
- ☒ Covariance ✓
- ☐ Mode
- ☒ Standard deviation ✓
- ☒ Interquartile range ✓
- ☒ Correlation ✓

Respuesta correcta

- ☒ Average
- ☒ Covariance
- ☒ Mode
- ☒ Standard deviation
- ☒ Interquartile range
- ☒ Correlation

✓ It measures how much a categorical feature tells us about another categorical feature \* 5/5

- ☐ Average
- ☐ Entropy
- ☒ Mutual information ✓
- ☐ Mode



✓ It is useful to find outliers \*

5/5

- ☐ Standard deviation
- ☐ Variance
- ☒ Interquartile range
- ☐ Average



✓ These charts can be used in numerical features \*

5/5

- ☐ Bar plot
- ☒ Histogram
- ☒ Boxplot
- ☒ Scatter plot
- ☐ Pie plot
- ☐ Rectangular pie chart



✓ It is a feature that has a limited number of values \*

5/5

- ☐ Continuous
- ☒ Discrete



✓ Which one is an example of a numerical feature? \*

5/5

- ☒ Temperature
- ☐ Scholarly
- ☐ Birthplace



✓ Traditionally in a dataset, columns represent \*

5/5

- ☒ Features
- ☐ Samples



✓ It shows the distribution of a numerical variable \*

5/5

- ☐ Bar plot
- ☒ Histogram
- ☐ Boxplot
- ☐ Scatter plot
- ☐ Pie plot
- ☐ Rectangular pie chart



✗ It can be seen as the average of all variations between the data and the average \*

0/5

☐ Standard deviation

☒ Variance

✗

☐ Range

Respuesta correcta

☒ Standard deviation

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