Machine Learning Course | Arabic Data Preprocessing

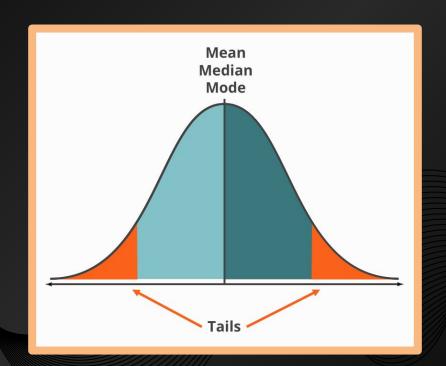
Level - 01

Link to Lecture on Youtube

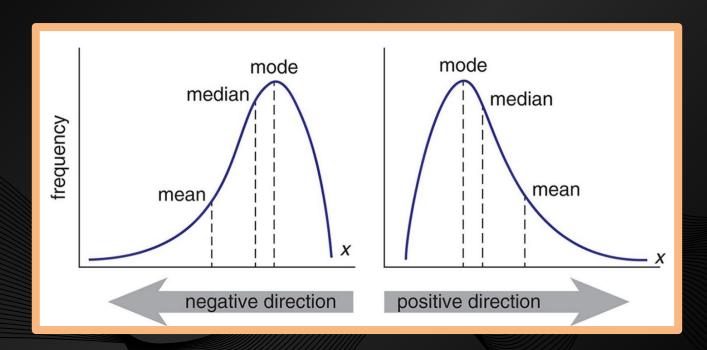


Skewness, Kurtosis

Normal Distribution



Skewness



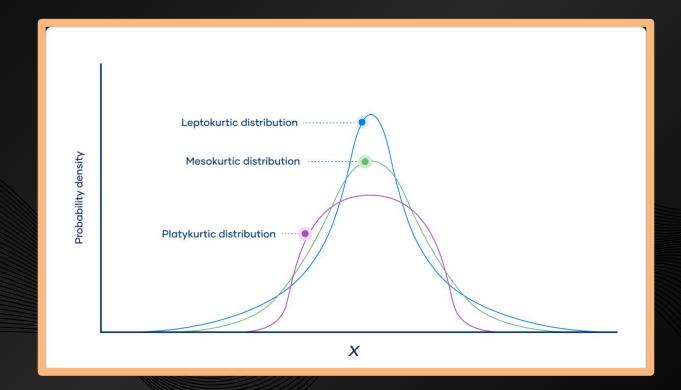
Skewness tells us the direction of outliers.

Skewness

Skewness measures the degree of distortion of symmetric distribution.

- If the skewness \Rightarrow -0.5 to 0.5 \Rightarrow no skew
- If the skewness => -1 to -0.5 => negative skew
- If the skewness => 0.5 to 1 => positive skew

Kurtosis



Kurtosis

Kurtosis measures how heavily the tails of a distribution.

Kurtosis identifies whether the tails of a given distribution contain extreme values.

There are three types of kurtosis:

- Mesokurtic
- Platykurtic
- Leptokurtic

Kurtosis

	Mesokurtic	Platykurtic	Leptokurtic
Tailedness	Medium-tailed	Thin-tailed	Fat-tailed
Outlier frequency	Medium	Low	High
Kurtosis	Moderate (3)	Low (< 3)	High (> 3)
Excess kurtosis	0	Negative	Positive
Example distribution	Normal	Uniform	Laplace

Kurtosis Vs Skewness

Skewness tells you about the direction of the outliers.

Kurtosis tells you the amount of outliers.

How are they used in the stock market?
On board.

Thank You!

Do you have any questions?

Write them in the comments

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