Skewed Distribution

Symmetric Distribution

Symmetric Distribution

- Symmetric Distribution if the tail on both the side of the distribution is identical.

Symmetric Distribution

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- The mean, mode and median will be very close to each other.
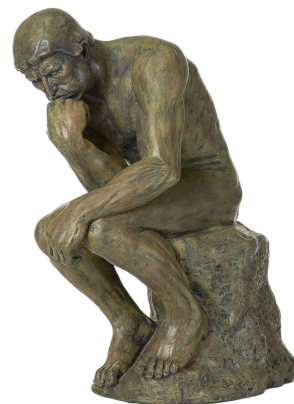
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- But continuous variable ?

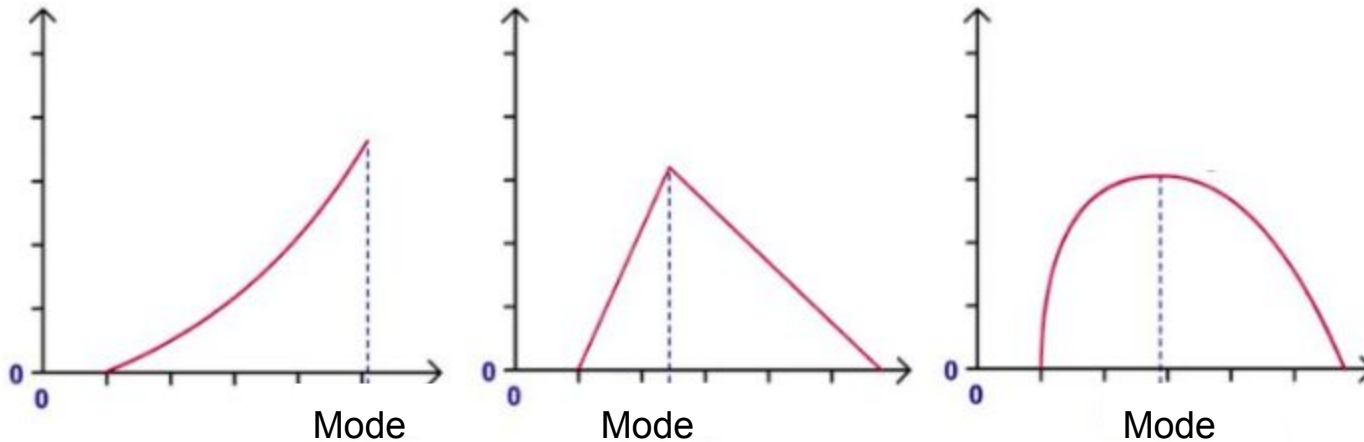**Analytics Vidhya**
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Mode for Continuous Variable

The mode of a continuous random variable corresponds to the value at which the probability density function reaches maximum, or a peak.

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Mode   Mode   Mode

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More in Categorical Variable
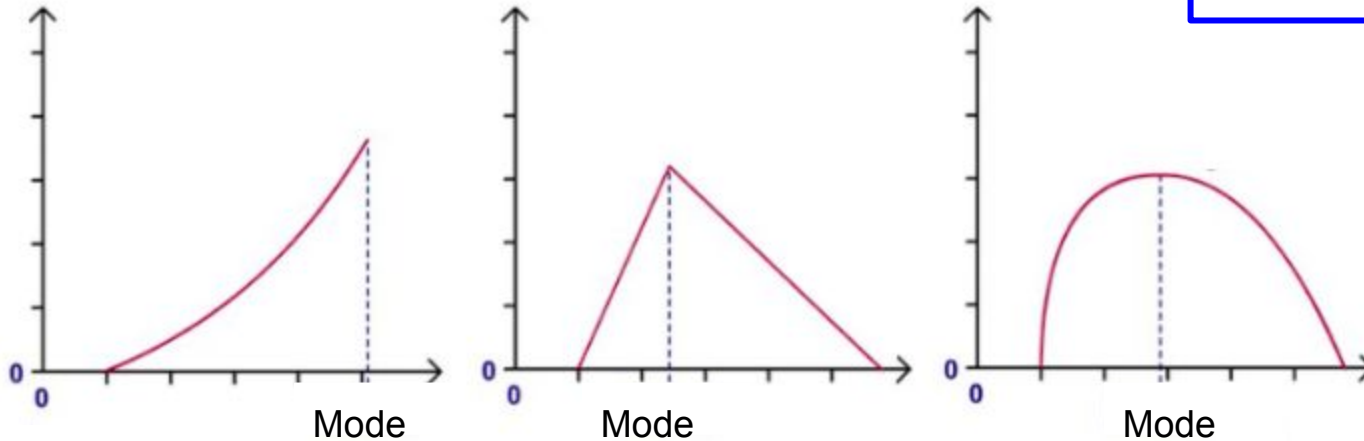
Mode   Mode   Mode

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Mean
Median
Mode

Symmetric
Distribution

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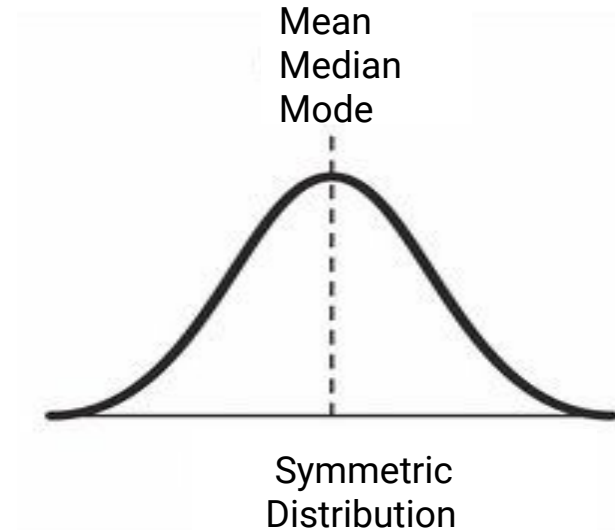
Right(Positive) Skewed
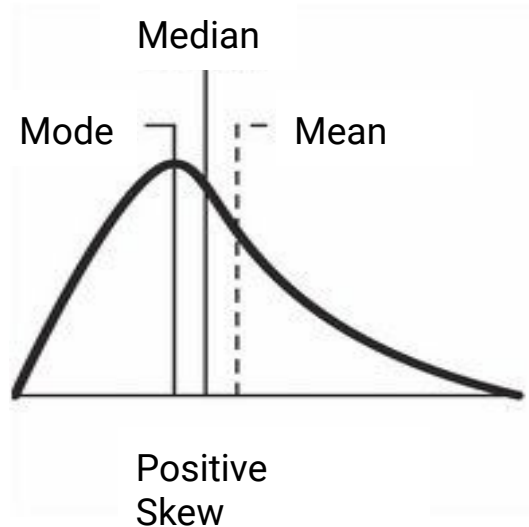
Right(Positive) Skewed

- Positive Skewness if the tail on the right side of the distribution is longer

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- The mean and median will be greater than the mode

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Median

Mode

Mean

Positive
Skew

Left(Negative) Skewed

Left(Negative) Skewed

- Negative Skewness if the tail on the left side of the distribution is longer

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Left(Negative) Skewed

- Negative Skewness if the tail on the left side of the distribution is longer

- The mean and median will be lesser than the mode
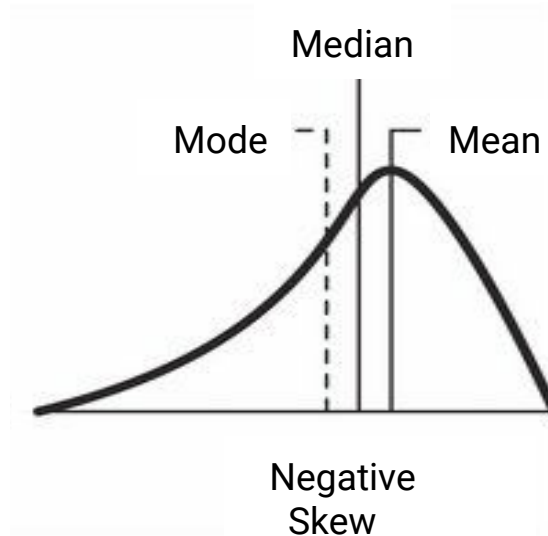
Left(Negative) Skewed

- Negative Skewness if the tail on the left side of the distribution is longer

- The mean and median will be lesser than the mode

Negative
Skew

Thank You!