This module covers…

- Statistical Moments 1 - 4
  - 1st: mean / average / median
  - 2nd: standard deviation / variance
  - 3rd: skewness
  - 4rd: kurtosis
- Covariance, covariance matrices and correlation
- Multidimensional vector spaces

In this Video you will learn…

Skewness

The 3rd moment

- how asymmetric data is spread around the mean

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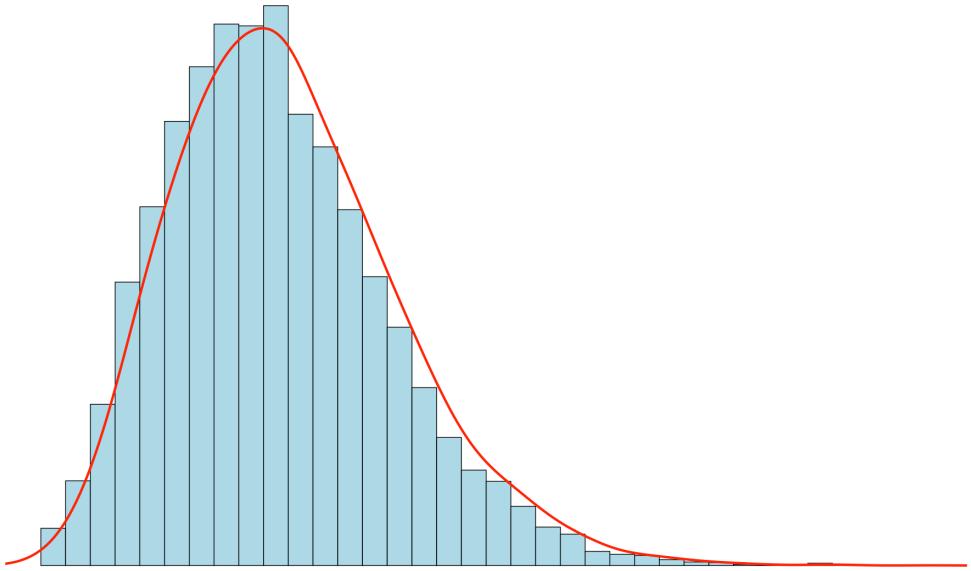
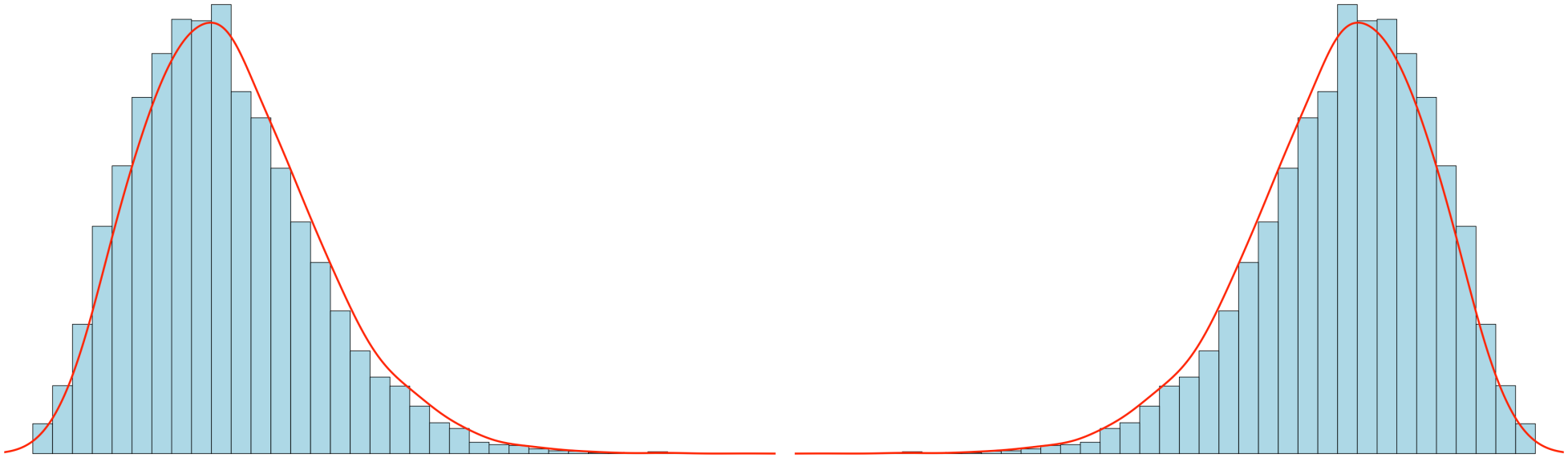


The 3rd moment

- how asymmetric data is spread around the mean



skewness

$$skewness = \frac{1}{n} \frac{\sum_{i=1}^{n} (x_i - \bar{x})^3}{s^3}$$

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Summary

- skewness is the 3rd moment of a statistical distribution
- tells us about asymmetry of data around the mean

The next video covers…

Kurtosis