# Boxplot

# Visual Patterns

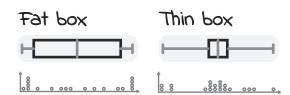
# Ballanced

If the box plot will look symmetric, the distribution will be normal, there are few exceptionally large or be about the same as the median.



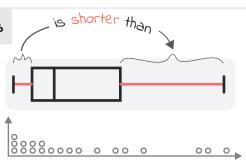
small values. The mean will one possible distribution of this boxplot

0 00 000 00000 0 0



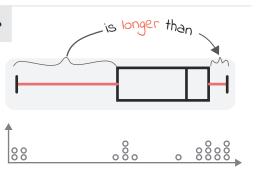
#### Possitive Skewness

A distribution with a positive skew would have a longer whisker in the positive direction than in the negative direction.

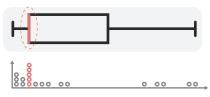


## Negative Skewness

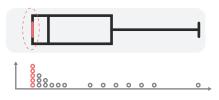
A distribution with a negative skew would have a longer whisker in the negative direction than in the positive direction.



# overlapping



The lower quartile and the median are overlapped, this occurs when the 25% of values are same between the lower quartile and the median.



The minimum and the lower quartile are overlapped, this occurs when the 25% of values are same between the minimum and the lower quartile.

## outlier(s)

when reviewing a boxplot, an outlier is defined as a data point that is located outside the whiskers of the boxplot (e.g. outside 1.5 times the interquartile range above the upper quartile and bellow the lower quartile).

