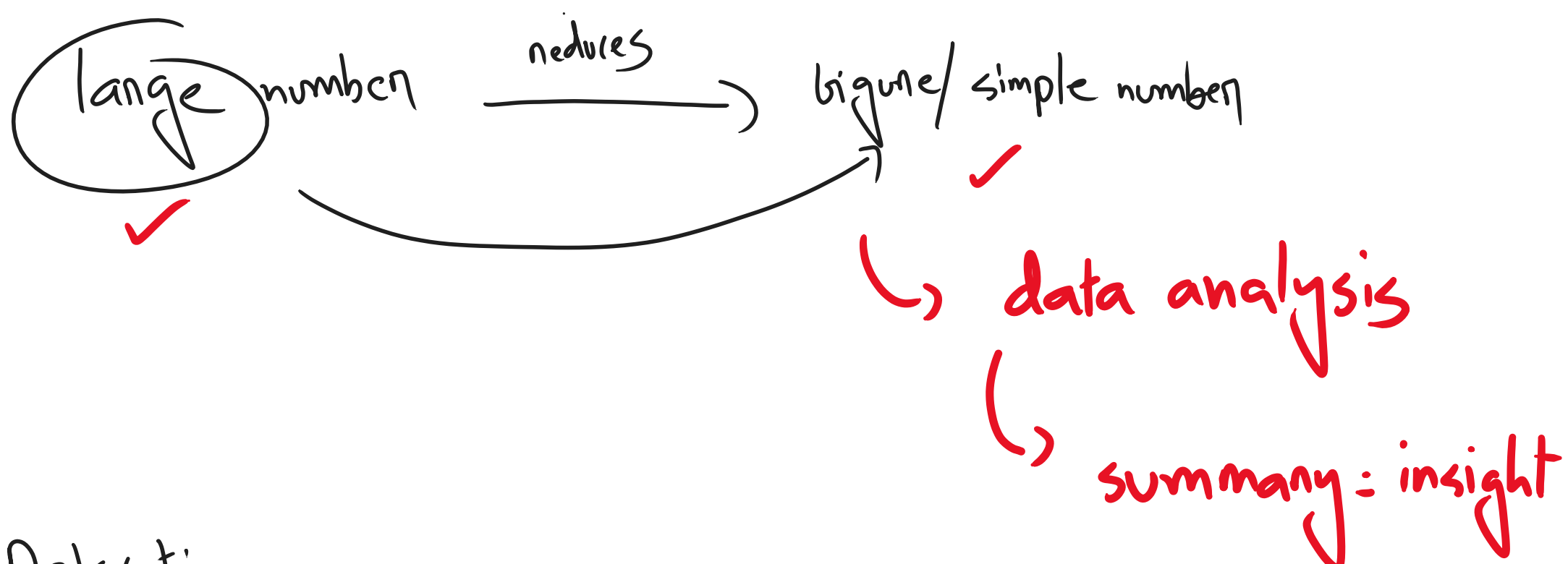


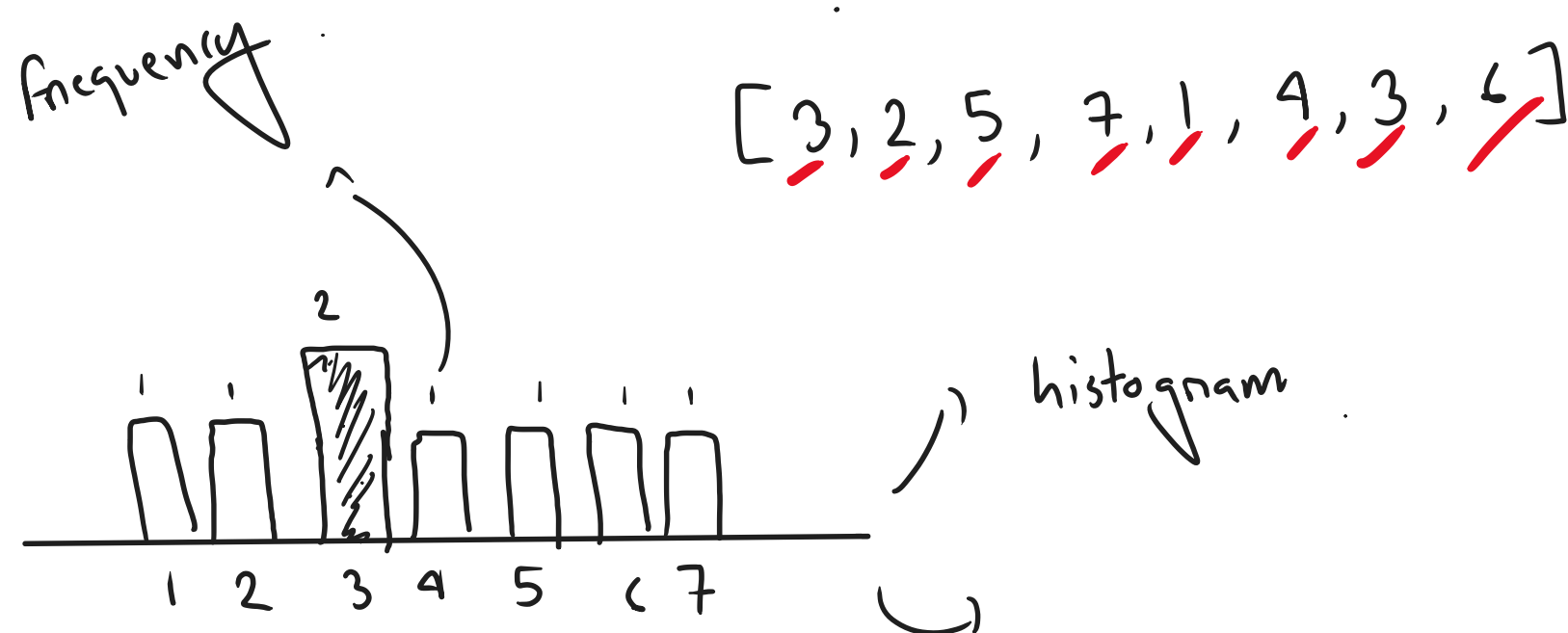
Descriptive stats - purpose is to summarize the characteristics of a variable



Dataset:

[3, 2, 5, 7, 1, 4, 3, 4]

Mean = 4 ✓ $\xrightarrow{\text{avg}} \text{avg} = 4$
Max = 7 ✓ $\xrightarrow{\text{maximum}} \text{maximum} = 7$
Min = 1 ✓ $\xrightarrow{\text{minimum}} \text{minimum} = 1$

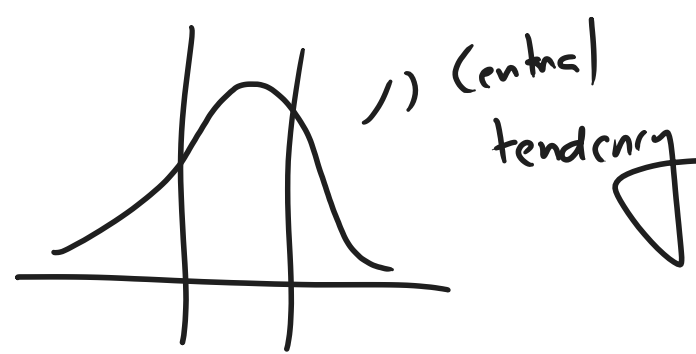


Descriptive stats \rightarrow 3 types

1) Distribution

- represents frequency of each value

Example :- Histogram, Frequency tables



2) Central tendency

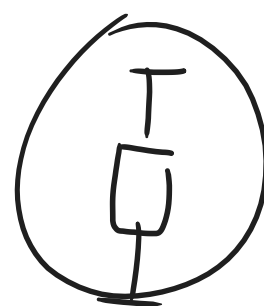
- Represents the middle of the values

Example :- Mean, Median, Mode

3) Variability

- represents the dispersion of values

spread in data



Example :- Min, Maximum, Range, Quartile / Interquartile Range

Box & Whisker plots, Variance, Standard Deviation