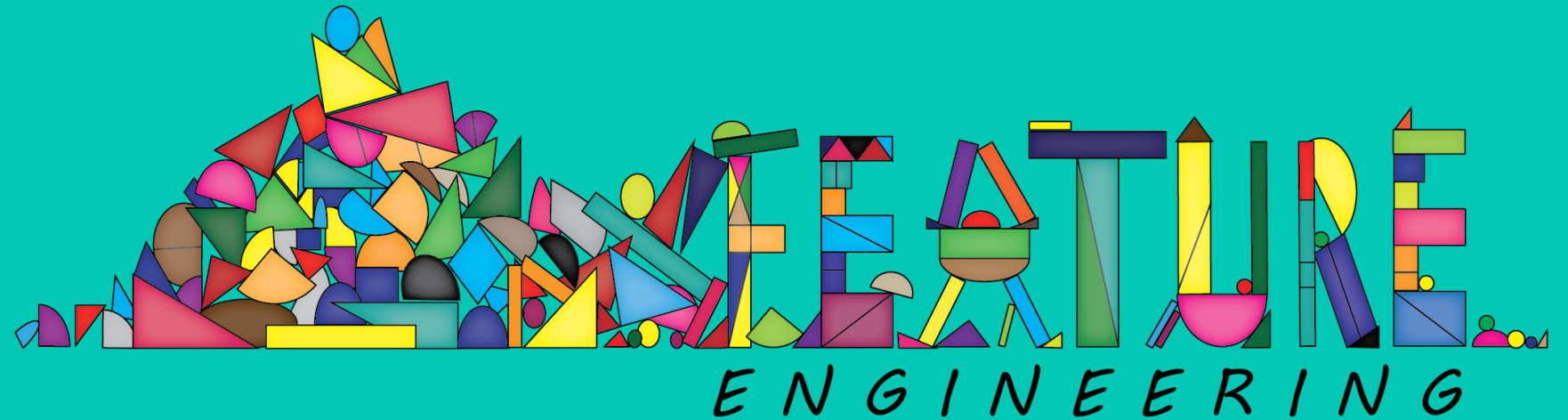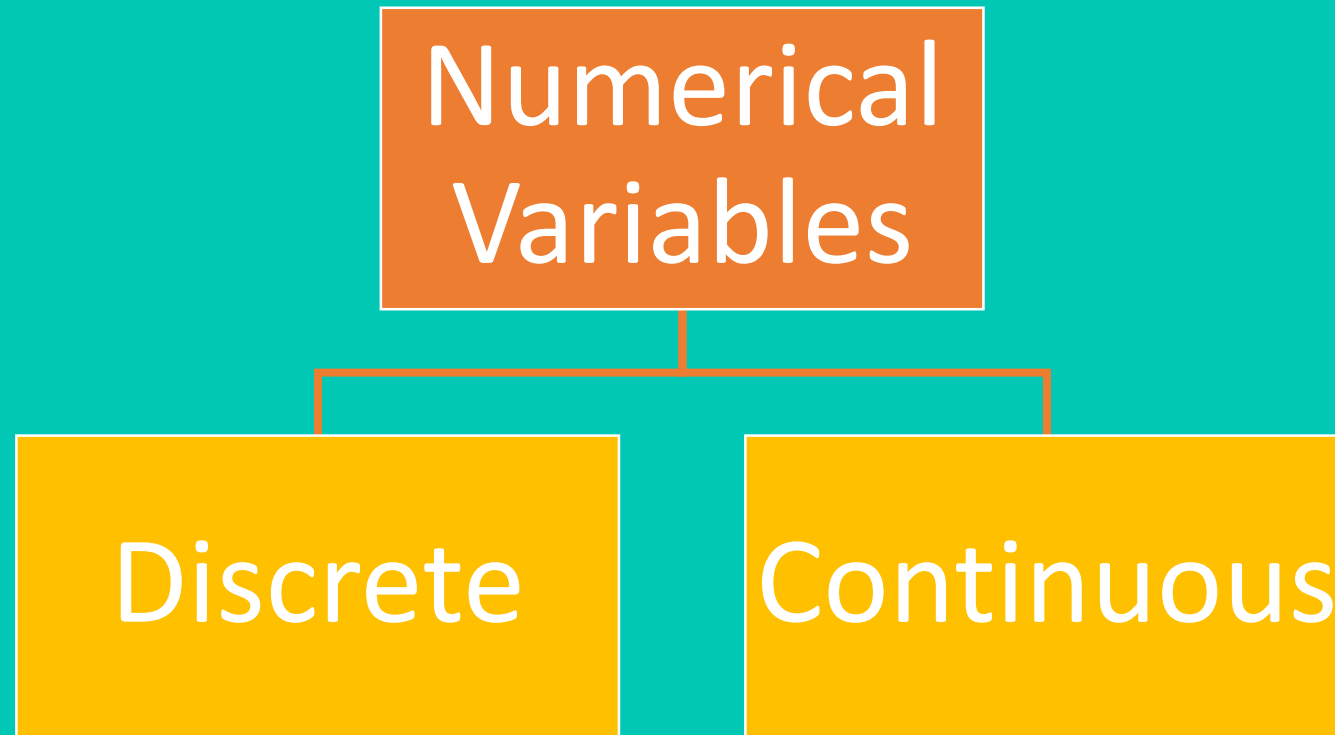# Numerical variables

Numerical variables

Numerical Variables

Discrete

Continuous

Discrete variables

A variable which values are whole numbers (counts) is called discrete. Examples:

- Number of items bought by a customer in a supermarket (10, 50, …)

- Number of active bank accounts of a borrower (1, 4, 7, …)

- Number of pets in the family

- Number of children in the family

Continuous variables

A variable that may contain any value within some range is called continuous. Examples:

- Amount paid by a customer in a supermarket ($32.50, 12,5, …)

- House price (in principle, it can take any value) (GBP 350000, 57000, 1000000, …)

- Time spent surfing a website (3.4 seconds, 5.10 seconds, …)

- Total debt as percentage of total income in the last month (0.2, 0.001, 0, 0.75, …)