Variable Types

Objectives

Understand the different types of variables

Identify different types variables

Examples of the different variables in a dataset

Content

For each lecture:

- Presentation and video

- Accompanying Jupyter notebook

  - Examples of the variable types in a business dataset

  - Code to identify and visualise the different variable types
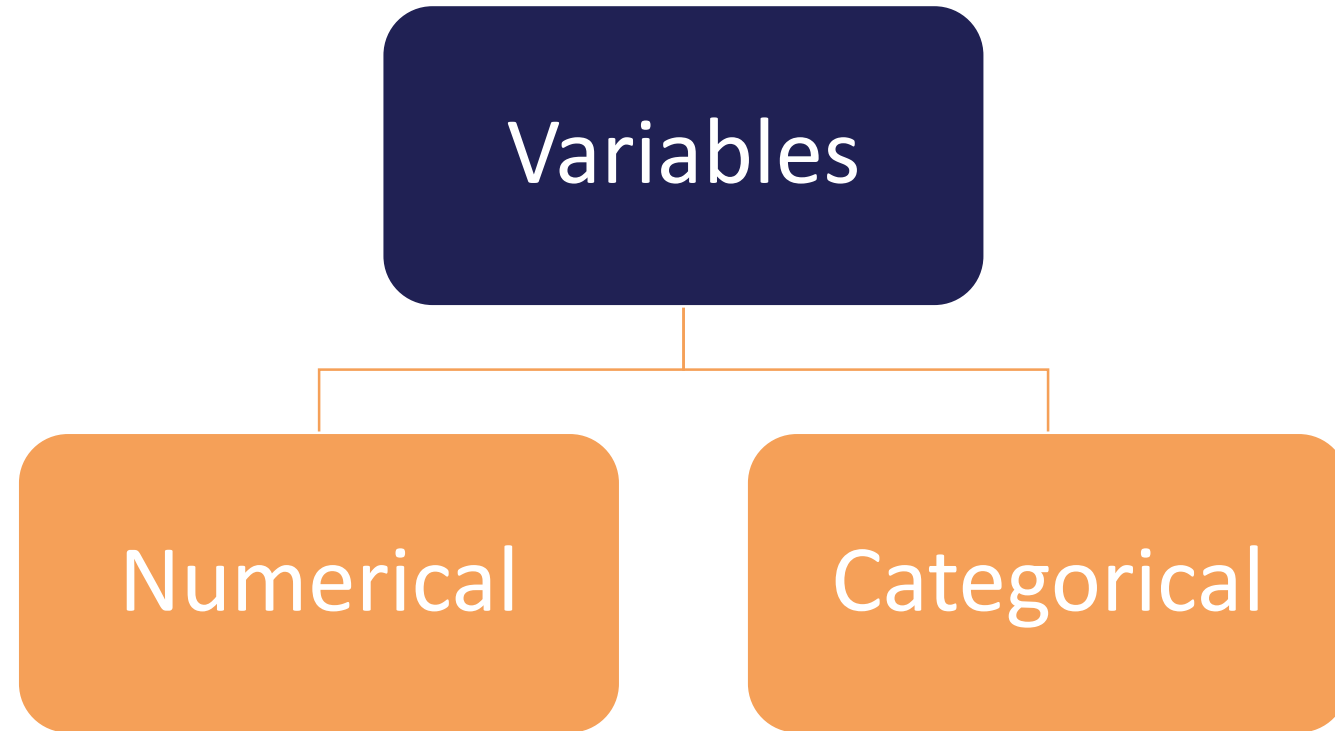
What is a Variable?

Variable

A variable is any characteristic, number, or quantity that can be measured or counted.
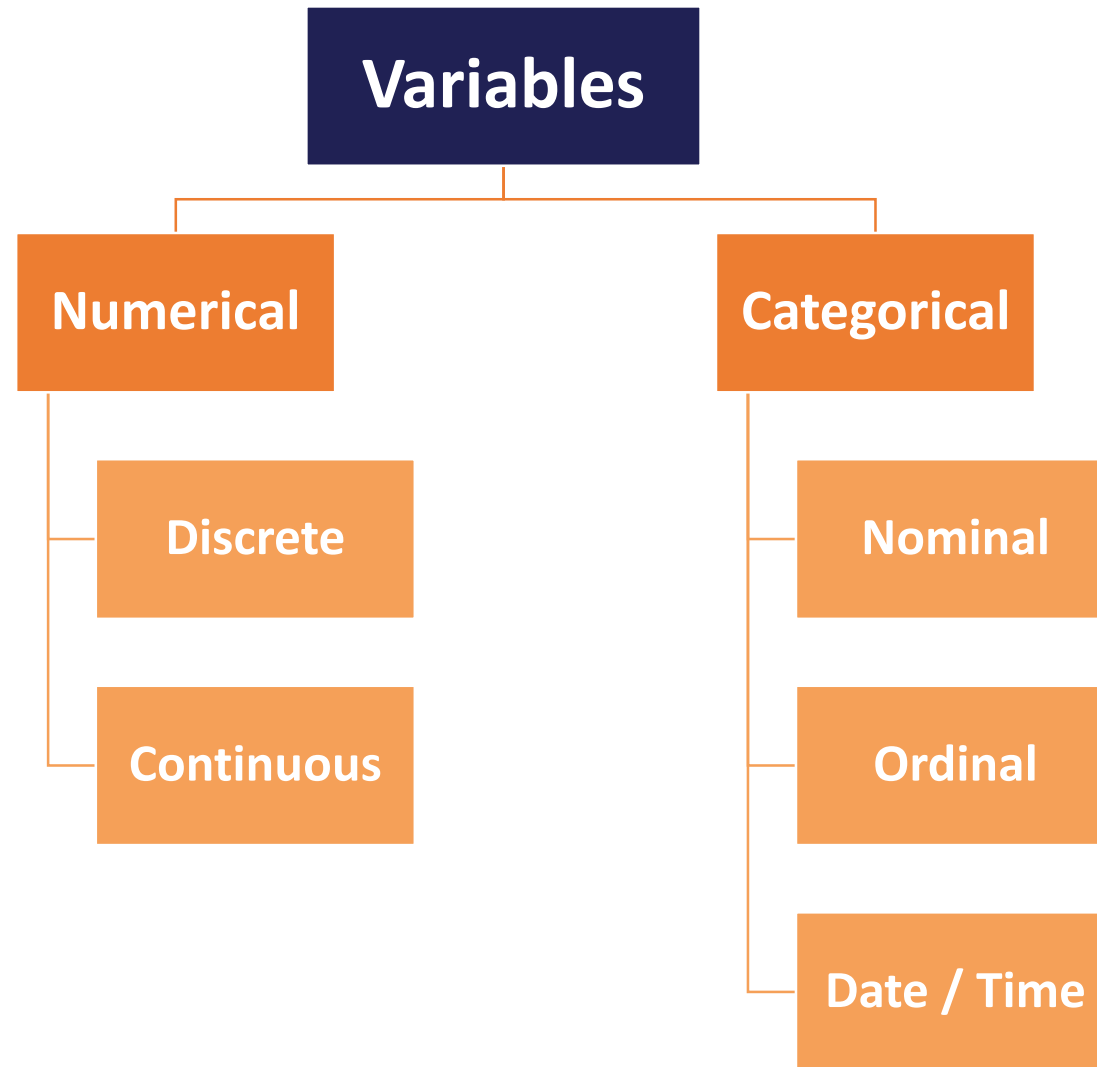
Variable Examples

- Age (21, 35, 62, ...)

- Gender (male, female)

- Income (GBP 20000, GBP 35000, GBP 45000, ...)

- House price (GBP 350000, GBP 570000, ...)

- Country of birth (China, Russia, Costa Rica, ...)

- Eye colour (brown, green, blue, ...)

- Vehicle make (Ford, Volkswagen, ...)

Variable Types

Variable Types

In the next lectures…

Numerical Variables

Discrete and

Continuous

Numerical
Variables

Categorical
Variables

Categorical Variables

Strings

Mixed Variables

With strings and

numbers

Mixed
Variables

Date and Time
Variables

Date and Time

Time, date or both

THANK YOU

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