

# DATA SCIENCE

variables

# LEARNING GOALS

We will be learning how to create new variables in Excel, specifically to:

- understand what it means to **create a new variable by performing calculations** using existing data
- how to create simple new variables by performing a calculation in Excel
- understand the **concept of conditional statements** for creating new variables.

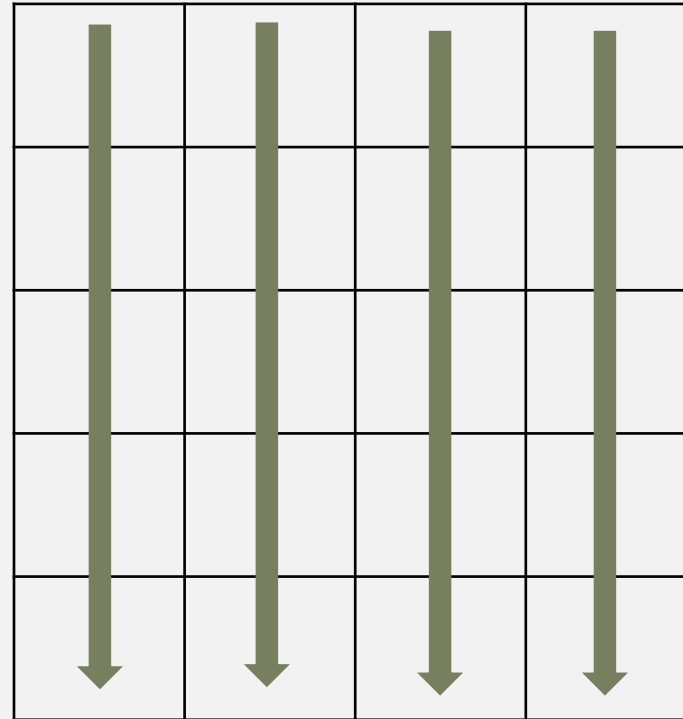
## DEFINITION

### **Variable**

A column of data that  
only contains one data  
type

# VARIABLES

- In data science **columns of data** are often referred to as **variables**.
- Each variable only **contains one data type** such as numbers, text, date or time.



## EXAMPLE

- What are the variables in this dataset?

event	time	runner
Marathon (men)	2:01:39	Eliud Kipchoge
Marathon (women)	2:14:04	Brigid Kosgei

The **variables** are,  
**event, time, runner**