Getting started

The document you are reading is not a static web page, but an interactive environment called a **Colab notebook** that lets you write and execute code.

For example, here is a **code cell** with a short Python script that computes a value, stores it in a variable, and prints the result:

```
import  numpy as geek
N= int (input ("Number of data values of rainfall: "))
M = int (input ("Number of data values of Area: "))
R = []
A = []
for i in range (1, N+1) :
    print("Enter rainfall in cm")
    Value_rainfall = float (input())
    R.append(Value_rainfall)
for j in range (1, M+1):
    print("Enter Catchment area: ")
    Value_area = float (input () )
    A.append(Value_area)
product = geek.dot(R, A)
# print(" Dot Product : \n", product)
mean_precipitation = product/sum(A)
print("Mean Precipitation:", mean_precipitation, "cm")1
```

```
Number of data values of rainfall: 5
Number of data values of Area: 5
Enter rainfall in cm
125
Enter rainfall in cm
175
Enter rainfall in cm
225
Enter rainfall in cm
275
Enter rainfall in cm
325
Enter Catchment area:
25
Enter Catchment area:
30
Enter Catchment area:
30
Enter Catchment area:
10
Enter Catchment area:
5
Mean Precipitation: 195.0 cm
```

```
seconds_in_a_day = 24 * 60 * 60
seconds_in_a_day
```

```
86400
```

To execute the code in the above cell, select it with a click and then either press the play button to the left of the code, or use the keyboard shortcut "Command/Ctrl+Enter". To edit the code, just click the cell and start editing.

Variables that you define in one cell can later be used in other cells:

```
seconds_in_a_week = 7 * seconds_in_a_day
seconds_in_a_week
```