▾ Activity: work with the iris dataset

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```
# Define where you are running the code: colab or local
RunInColab         = True     # (False: no  | True: yes)

# If running in colab:
if RunInColab:
    # Mount your google drive in google colab
    from google.colab import drive
    drive.mount('/content/drive')

    # Find location
    #!pwd
    #!ls
    #!ls "/content/drive/My Drive/Colab Notebooks/MachineLearningWithPython/"

    # Define path del proyecto
    Ruta           = "/content/drive/My Drive/Colab Notebooks/MachineLearningWithPython/"

else:
    # Define path del proyecto
    Ruta           = ""
```

⤓ Mounted at /content/drive

```
# Import the packages that we will be using
import matplotlib.pyplot as plt
import pandas as pd
```

1. Load the iris.csv file in your computer and understand the dataset

```
url = Ruta + "datasets/iris/iris.csv"
dataset = pd.read_csv(url)
```

2. How many observations (rows) are in total? 149

```
dataset.shape[0]
```

    149

3. How many variables (columns) are in total? 5

```
dataset.shape[1]
```

    5

What do they represent? The width and length of the petal and setal of the flowers and their type

4. How many observations are for each type of flower? 4

5. What is the type of data for each variable?

```
dataset.dtypes
```

```
    5.1            float64
    3.5            float64
    1.4            float64
    0.2            float64
    Iris-setosa    object
    dtype: object
```

6. What are the units of each variable? inches

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