

## Portfolio assignment 4

15 min: Look online for a dataset that you personally find interesting to explore. It can be about any topic that you find interesting: sports, games, software development, etc. Commit the dataset to your portfolio. You will be analysing the dataset in future portfolio assignments.

Required characteristics of the dataset:

- Must be in a tabular format: Contains rows and columns
- Contains at least 100 rows
- Contains at least 2 columns with categorical data and at least 2 columns with numerical data
- Is less than 200 MB

In [1]:

```
import pandas as pd
```

In [2]:

```
pokemons = pd.read_csv('../Pokemon.csv')
```

In [3]:

```
print(pokemons.head())
```

| #   | Name                  | Type 1 | Type 2 | Total | HP | Attack | Defense | \ |
|-----|-----------------------|--------|--------|-------|----|--------|---------|---|
| 0 1 | Bulbasaur             | Grass  | Poison | 318   | 45 | 49     | 49      |   |
| 1 2 | Ivysaur               | Grass  | Poison | 405   | 60 | 62     | 63      |   |
| 2 3 | Venusaur              | Grass  | Poison | 525   | 80 | 82     | 83      |   |
| 3 3 | VenusaurMega Venusaur | Grass  | Poison | 625   | 80 | 100    | 123     |   |
| 4 4 | Charmander            | Fire   | NaN    | 309   | 39 | 52     | 43      |   |

  

|   | Sp. Atk | Sp. Def | Speed | Generation | Legendary |
|---|---------|---------|-------|------------|-----------|
| 0 | 65      | 65      | 45    | 1          | False     |
| 1 | 80      | 80      | 60    | 1          | False     |
| 2 | 100     | 100     | 80    | 1          | False     |
| 3 | 122     | 120     | 80    | 1          | False     |
| 4 | 60      | 50      | 65    | 1          | False     |

In [4]:

```
pokemons['Type 1'].value_counts(dropna=False).plot(kind='pie')
```

Out[4]:

<AxesSubplot:ylabel='Type 1'>

