Pandas basics

Loading the key libraries

import sys

```
import pandas as pd
import numpy as np

print(f"pandas version {pd.__version__}")
print(f"numpy version {np.__version__}")
print(f"python version {sys.version}")

pandas version 2.0.0
numpy version 1.24.2
```

python version 3.11.3 | packaged by conda-forge | (main, Apr 6 2023, 08:57:19) [GCC 11.3.0]

A comment on file formats

The most common simple format for tabular data is comma separated or tab separated (csv or tsv).

Newer formats such as arrow and parquet are more efficient in storage and faster to load.

Pandas 2.0 can handle these newer formats.

Reading and writing a dataframe
Series and Dataframes
File formats
Columns and Rows
Selecting columns and rows
Filtering
Missing values
Grouping
Summarizing
Functions