

# Practica de lectura de csv

```
In [5]: import pandas as pd
import os
```

```
In [6]: base_dir = os.path.dirname(os.path.realpath('__file__'))
dir_file = os.path.join(base_dir, 'medals.csv')
```

## abrir el csv con pandas

```
In [7]: df = pd.read_csv(dir_file)
dfh = df.head()
dfh
```

```
Out[7]:
```

	Year	City	Sport	Discipline	NOC	Event	Event gender	Medal
0	1924	Chamonix	Skating	Figure skating	AUT	individual	M	Silver
1	1924	Chamonix	Skating	Figure skating	AUT	individual	W	Gold
2	1924	Chamonix	Skating	Figure skating	AUT	pairs	X	Gold
3	1924	Chamonix	Bobsleigh	Bobsleigh	BEL	four-man	M	Bronze
4	1924	Chamonix	Ice Hockey	Ice Hockey	CAN	ice hockey	M	Gold

## abrir el csv con open

```
In [8]: main_dict = {}
with open(dir_file) as file:
    cols = file.readline().strip().split(",")
    n_cols = len(cols)
    counter = 0
    for col in cols:
        main_dict[col] = []
    for line in file:
        fila = line.strip().split(",")
        for i in range(len(cols)):
            main_dict[cols[i]].append(fila[i])
        counter += 1
print (f'el total de columnas es {n_cols}, y el total de filas es {counter}')
```

el total de columnas es 8, y el total de filas es 2311

```
In [9]: dfh2 = pd.DataFrame(main_dict).head()
dfh2
```

```
Out[9]:
```

	Year	City	Sport	Discipline	NOC	Event	Event gender	Medal
0	1924	Chamonix	Skating	Figure skating	AUT	individual	M	Silver
1	1924	Chamonix	Skating	Figure skating	AUT	individual	W	Gold
2	1924	Chamonix	Skating	Figure skating	AUT	pairs	X	Gold
3	1924	Chamonix	Bobsleigh	Bobsleigh	BEL	four-man	M	Bronze

	Year	City	Sport	Discipline	NOC	Event	Event gender	Medal
4	1924	Chamonix	Ice Hockey	Ice Hockey	CAN	ice hockey	M	Gold