

It has happened. Aliens have arrived. They hail from a planet called Valhalla-23, where the temperature is measured in Valks. These visitors tell you that they have come to solve Earth's global warming crisis*. They offer you a machine that will solve the problem, but they warn you:

1. The machine must be set up in Valks.
2. If you input a wrong temperature value, you may end up freezing or scorching the Earth.
3. No one knows how to transform between Celsius and Valks.

You are tasked with finding a model for solving this problem, so you ask Humans and Valkians to collect temperature readings from several objects. The data are given in the Valhalla23.csv file.

Will you become Earth's savior? Or will you obliterate life?

The choice is yours...

✓ Cargamos y vemos los datos

```
import pandas as pd
import matplotlib.pyplot as plt
import numpy as np
import random
from sklearn.model_selection import train_test_split
from sklearn.linear_model import SGDRegressor
from sklearn.preprocessing import StandardScaler
from sklearn.metrics import mean_squared_error, r2_score
```

```
df = pd.read_csv("Valhalla23.csv")
x = df["Celsius"]
y = df["Valks"]
```

```
print(df.head())
print("")
print(df.isnull().sum())
```

```
↗
   Celsius  Valks
0  61.4720 -139.740
1  70.5790 -156.600
2  -7.3013   73.269
3  71.3380 -165.420
4  43.2360  -75.835
```

```
Celsius    0
Valks      0
dtype: int64
```