

```
from google.colab import drive  
drive.mount('/content/drive')
```

Mounted at /content/drive

```
from google.colab import files  
uploaded = files.upload()
```

Choose files titanic.zip

titanic.zip(application/x-zip-compressed) - 34877 bytes, last modified: 21/11/2025 - 100% done
Saving titanic.zip to titanic (2).zip

```
import zipfile  
import os  
  
zip_file_name = "titanic.zip"  
  
with zipfile.ZipFile(zip_file_name, "r") as zip_ref:  
    zip_ref.extractall("extracted_files")  
  
os.listdir("extracted_files")
```

```
1 import pandas as pd
```

```
df = pd.read_csv("extracted_files/train.csv")
df.head()
```

PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
0	1	0	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	Nan	S
1	2	1	Cumings, Mrs. John Bradley (Florence Briggs Th... Heikkinen, Miss. Laina	female	38.0	1	0	PC 17599	71.2833	C85	C
2	3	1	Allen, Mr. William Henry	male	35.0	0	0	STON/O2. 3101282	7.9250	Nan	S
3	4	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C123	S
4	5	0						373450	8.0500	Nan	S



df.info()

```
... <class 'pandas.core.frame.DataFrame'>
RangeIndex: 891 entries, 0 to 890
Data columns (total 12 columns):
 #   Column      Non-Null Count  Dtype  
--- 
 0   PassengerId  891 non-null    int64  
 1   Survived     891 non-null    int64  
 2   Pclass       891 non-null    int64  
 3   Name         891 non-null    object  
 4   Sex          891 non-null    object  
 5   Age          714 non-null    float64 
 6   SibSp        891 non-null    int64  
 7   Parch        891 non-null    int64  
 8   Ticket       891 non-null    object  
 9   Fare          891 non-null    float64 
 10  Cabin         204 non-null    object  
 11  Embarked     889 non-null    object  
dtypes: float64(2), int64(5), object(5)
memory usage: 83.7+ KB
```

```
df.describe()
```

...	PassengerId	Survived	Pclass	Age	SibSp	Parch	Fare
count	891.000000	891.000000	891.000000	714.000000	891.000000	891.000000	891.000000
mean	446.000000	0.383838	2.308642	29.699118	0.523008	0.381594	32.204208
std	257.353842	0.486592	0.836071	14.526497	1.102743	0.806057	49.693429
min	1.000000	0.000000	1.000000	0.420000	0.000000	0.000000	0.000000
25%	223.500000	0.000000	2.000000	20.125000	0.000000	0.000000	7.910400
50%	446.000000	0.000000	3.000000	28.000000	0.000000	0.000000	14.454200
75%	668.500000	1.000000	3.000000	38.000000	1.000000	0.000000	31.000000
max	891.000000	1.000000	3.000000	80.000000	8.000000	6.000000	512.329200



```
df['Survived'].value_counts()
```

...

count

Survived

0	549
1	342

dtype: int64