

```
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")
```

```
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	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.2500	NaN	S
1	2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Th...	female	38.0	1	0	PC 17599	71.2833	C85	C
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2. 3101282	7.9250	NaN	S
3	4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35.0	1	0	113803	53.1000	C123	S
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	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