

1.Load Dataset and Preview Records

```
import pandas as pd
df=pd.read_csv('/content/titanic.csv')
df.head()
```

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked	grid icon
0	1	0	3	Braund, Mr. Owen Harris	male	22.0	1	0	A/5 21171	7.25	NaN	S	
1	2	1	1	Cumings, Mrs. John Bradley	female	38.0	1	0	PC 17599	71.28	C85	C	
2	3	1	3	Heikkinen, Miss. Laina	female	26.0	0	0	STON/O2 3101282	7.92	NaN	S	
3	4	1	1	Futrelle, Mrs. Jacques Heath	female	35.0	1	0	113803	53.10	C123	S	
4	5	0	3	Allen, Mr. William Henry	male	35.0	0	0	373450	8.05	NaN	S	

Next steps: [Generate code with df](#) [New interactive sheet](#)

df.tail()

	PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked	grid icon
15	16	1	2	Hewlett, Mrs. May	female	55.0	0	0	248706	16.00	NaN	S	
16	17	0	3	Rice, Master. Eugene	male	2.0	4	1	382652	29.12	NaN	Q	
17	18	1	1	Williams, Mr. Charles	male	31.0	0	0	244373	13.00	NaN	S	
18	19	0	3	Vander Planke, Miss. Augusta	female	18.0	0	0	345763	18.00	NaN	S	
19	20	1	2	Masselmani, Mrs. Fatima	female	40.0	1	0	237442	27.72	NaN	C	

df.info()

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 20 entries, 0 to 19
Data columns (total 12 columns):
 #   Column      Non-Null Count  Dtype  
--- 
 0   PassengerId  20 non-null    int64  
 1   Survived     20 non-null    int64  
 2   Pclass       20 non-null    int64  
 3   Name         20 non-null    object 
 4   Sex          20 non-null    object 
 5   Age          19 non-null    float64
 6   SibSp        20 non-null    int64  
 7   Partner     ? 20 non-null    object 
 8   Ticket       20 non-null    object 
 9   Cabin        17 non-null    object 
 10  Embarked     20 non-null    object 
 11  Fare         15 non-null    float64
 12  Cabin       ? 17 non-null    object 
```

```
7   Parch      20 non-null    int64
8   Ticket     20 non-null    object
9   Fare       20 non-null    float64
10  Cabin      4 non-null    object
11  Embarked   20 non-null    object
dtypes: float64(2), int64(5), object(5)
memory usage: 2.0+ KB
```

```
df.describe()
```

	PassengerId	Survived	Pclass	Age	SibSp	Parch	Fare	grid icon
count	20.000000	20.000000	20.000000	19.000000	20.000000	20.000000	20.000000	
mean	10.500000	0.550000	2.200000	28.105263	0.700000	0.500000	23.222500	
std	5.91608	0.510418	0.894427	17.162280	1.080935	1.192079	17.742768	
min	1.00000	0.000000	1.000000	2.000000	0.000000	0.000000	7.250000	
25%	5.75000	0.000000	1.000000	16.000000	0.000000	0.000000	8.357500	
50%	10.50000	1.000000	2.500000	27.000000	0.000000	0.000000	17.350000	
75%	15.25000	1.000000	3.000000	38.500000	1.000000	0.250000	29.357500	
max	20.00000	1.000000	3.000000	58.000000	4.000000	5.000000	71.280000	