

## THE TITANIC

### Overview

The table below shows the number of people on board when the titanic sank, the people who survived, their sex, ages, fare, siblings/ spouses aboard and children/parent aboard.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Survived	Pclass	Name	Sex	Age	Siblings/Spouses Aboard	Parents/Children Aboard	Fare							
2	0	3	Mr. Owen Harris Braund	male	22	1	0	7.25							
3	1	1	Mrs. John Bradley (Florence Briggs Thayer) Cumings	female	38	1	0	71.2833							
4	1	3	Miss. Laina Heikkinen	female	26	0	0	7.925							
5	1	1	Mrs. Jacques Heath (Lily May Peel) Futrelle	female	35	1	0	53.1							
6	0	3	Mr. William Henry Allen	male	35	0	0	8.05							
7	0	3	Mr. James Moran	male	27	0	0	8.4583							
8	0	1	Mr. Timothy J McCarthy	male	54	0	0	51.8625							
9	0	3	Master. Gosta Leonard Palsson	male	2	3	1	21.075							
10	1	3	Mrs. Oscar W (Elisabeth Vilhelmina Berg) Johnson	female	27	0	2	11.1333							
11	1	2	Mrs. Nicholas (Adele Achem) Nasser	female	14	1	0	30.0708							
12	1	3	Miss. Marguerite Rut Sandstrom	female	4	1	1	16.7							
13	1	1	Miss. Elizabeth Bonnell	female	58	0	0	26.55							
14	0	3	Mr. William Henry Saunderson	male	20	0	0	8.05							
15	0	3	Mr. Anders Johan Andersson	male	39	1	5	31.275							
16	0	3	Miss. Hulda Amanda Adolfina Vestrom	female	14	0	0	7.8542							
17	1	2	Mrs. (Mary D Kingcome) Hewlett	female	55	0	0	16							
18	0	3	Master. Eugene Rice	male	2	4	1	29.125							
19	1	2	Mr. Charles Eugene Williams	male	23	0	0	13							
20	0	3	Mrs. Julius (Emelia Maria Vandemoortele) Vander Planke	female	31	1	0	18							
21	1	3	Mrs. Fatima Masselmani	female	22	0	0	7.225							
22	0	2	Mr. Joseph J Fynney	male	35	0	0	26							
23	1	2	Mr. Lawrence Beesley	male	34	0	0	13							
24	1	3	Miss. Anna McGowan	female	15	0	0	8.0292							
25	1	1	Mr. William Thompson Sloper	male	28	0	0	35.5							
26	0	3	Miss. Torborg Danira Palsson	female	8	3	1	21.075							
27	1	3	Mrs. Carl Oscar (Selma Augusta Emilia Johansson) Asplund	female	38	1	5	31.3875							

The total number of people onboard is 887. This is shown in the picture below

```
+ Code + Text
print(data.info())

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 887 entries, 0 to 886
Data columns (total 8 columns):
#   Column              Non-Null Count  Dtype
---  -
0   Survived             887 non-null    int64
1   Pclass               887 non-null    int64
2   Name                 887 non-null    object
3   Sex                  887 non-null    object
4   Age                  887 non-null    float64
5   Siblings/Spouses Aboard 887 non-null    int64
6   Parents/Children Aboard 887 non-null    int64
7   Fare                 887 non-null    float64
dtypes: float64(2), int64(4), object(2)
memory usage: 55.6+ KB
None
```

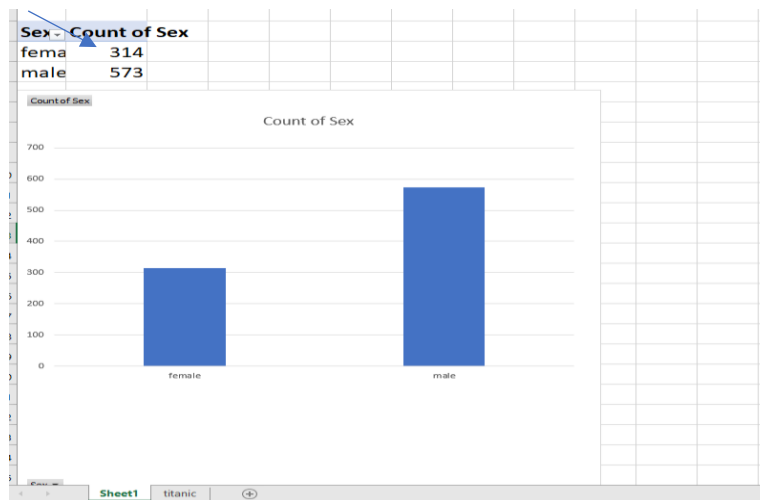
To start with, the first column shows the number of people who survived. Using the pivot table ,I have discovered that 342 people survived. 233 are female and 109 are male.

1		
2		
3	Row Labels	Sum of Survived
4	female	233
5	male	109
6	(blank)	
7	Grand Total	342

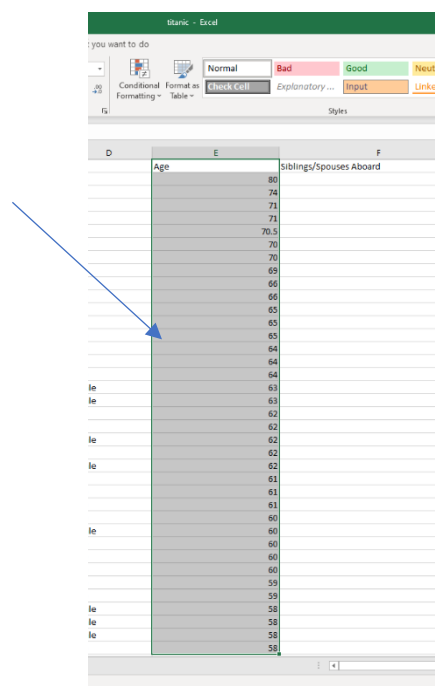
Secondly, in the second column is the Pclass. The Pclass simply shows the classes of the people onboard in order to show the level of luxuries they are served with. There are three classes in the ship 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> classes. I have also seen that 488 people used the 3<sup>rd</sup> class therefore more people used the 3<sup>rd</sup> class.

A	B	C	D	E	F	G	H	I
0	3	Mr. William Morley	male	34	0	0	8.05	
0	3	Mr. Arthur H Gee	male	47	0	0	38.5	
0	3	Mr. Jacob Christian Milling	male	48	0	0	13	
0	3	Mr. Simon Mason	male	34	0	0	8.05	
0	3	Mr. Manuel Estanslas Goncalves	male	38	0	0	7.05	
0	3	Mr. William Campbell	male	21	0	0	0	
0	3	Mr. John Montgomery Smart	male	56	0	0	26.55	
0	3	Mr. James Scanlan	male	22	0	0	7.725	
1	3	Miss. Helene Barbara Badini	female	0.75	2	1	19.2583	
0	3	Mr. Arthur Keefe	male	39	0	0	7.25	
0	3	Mr. Luka Cacic	male	38	0	0	8.6625	
1	3	Mrs. Edwy Arthur (Ada Mary Worth) West	female	33	1	2	27.75	
1	3	Mrs. Amin S (Marie Marthe Thuillard) Jerwan	female	23	0	0	13.7917	
0	3	Miss. Ida Sofia Strandberg	female	22	0	0	9.8375	
0	3	Mr. George Quincy Clifford	male	40	0	0	52	
0	3	Mr. Peter Henry Renouf	male	34	1	0	21	
0	3	Mr. Lewis Richard Braund	male	29	1	0	7.0458	
0	3	Mr. Nils August Karlsson	male	22	0	0	7.5208	
1	3	Miss. Hilbur E Hirvonen	female	2	0	1	12.2875	
0	3	Master. Harold Victor Goodwin	male	9	5	2	46.9	
0	3	Mr. Anthony Wood Frost	male	37	0	0	0	
0	3	Mr. Richard Henry Rouse	male	50	0	0	8.05	
1	3	Mrs. (Hedwig) Turkula	female	63	0	0	9.5875	
0	3	Mr. Dickinson H Bishop	male	25	1	0	91.0792	
0	3	Miss. Jeannie Lefebre	female	8	3	1	25.4667	
1	3	Mrs. Frederick Maxfield (Jane Anne Forby) Hoyt	female	35	1	0	90	
0	3	Mr. Edward Austin Kent	male	58	0	0	29.7	
0	3	Mr. Francis William Somerton	male	30	0	0	8.05	
1	3	Master. Eden Leslie Coutts	male	9	1	1	15.9	
0	2	Mr. Konrad Mathias Reiersen Hagland	male	19	0	0	19.9667	
0	2	Mr. Einar Windelov	male	21	0	0	7.25	
0	2	Mr. Harry Markland Molson	male	55	0	0	30.5	
0	2	Mr. Ramon Arttagaveytia	male	71	0	0	49.5042	
0	2	Mr. Edward Roland Stanley	male	21	0	0	8.05	
1	2	Mr. Gerious Yousseff	male	26	0	0	14.4583	
0	2	Miss. Elizabeth Murssey Eutts	female	54	1	0	78.2667	
0	2	Mr. Frederick William Shellard	male	55	0	0	15.1	
0	2	Mrs. Hudson J C (Bessie Waldo Daniels) Allison	female	25	1	2	151.55	

Also, regarding the sex of the people onboard we had a total 573 men compared to 314 this means that men onboard were more than the women.



Then, regarding the age of people on board we have the age range to be 80-1 years old. The oldest on the ship was 80yrs old while 1yr old was the youngest on the ship.



Furthermore, taking a look at the siblings/spouses column, the highest amount of siblings and spouses is 8 brought by one person and the lowest is 1.

	Siblings/Spouses Aboard	Parents/Children Aboard	Fare
21	8	2	
20	8	2	
18	8	2	
17	8	2	
14	8	2	
8	8	2	
5	8	2	
16	5	2	
14	5	2	
11	5	2	
9	5	2	
1	5	2	
17	4	2	
16	4	1	
14	4	1	
11	4	2	
9	4	2	
9	4	2	
8	4	1	
7	4	1	
7	4	1	
6	4	2	
5	4	2	
4	4	1	
4	4	2	
3	4	2	
2	4	1	
2	4	2	
2	4	1	
1	4	1	
33	3	0	
30	3	0	
24	3	2	
23	3	2	
19	3	2	
12	3	1	
10	3	2	

In the next column, we have the parents and siblings aboard the ship. The highest number of parents and children onboard is 6 and the lowest is 1.

	Siblings/Spouses Aboard	Parents/Children Aboard	Fare
43	1	6	
39	1	5	
39	1	5	
38	1	5	
41	0	5	
39	0	5	
64	1	4	
45	1	4	
40	1	4	
29	0	4	
24	2	3	
54	1	3	
48	1	3	
16	1	3	
24	0	3	
21	8	2	
20	8	2	
18	8	2	
17	8	2	
14	8	2	
8	8	2	
5	8	2	
16	5	2	
14	5	2	
11	5	2	
9	5	2	
1	5	2	
17	4	2	
11	4	2	
9	4	2	
9	4	2	
6	4	2	
5	4	2	
4	4	2	
3	4	2	
2	4	2	

The last and final column shows the fare that each individual paid. The highest fare was 512.3292 and the lowest was 4.0125.

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Survived	Pclass	Name	Sex	Age	Siblings/Spouses Aboard	Parents/Children Aboard	Fare												
2	1	1	Mr. Thom	male	36	0	1	512.3292												
3	1	3	Miss. Ann	female	35	0	0	512.3292												
4	1	1	Mr. Gustar	male	35	0	0	512.3292												
5	0	3	Mr. Mark	male	64	1	4	263												
6	1	3	Miss. Alice	female	24	3	2	263												
7	1	3	Mrs. Mab	female	23	3	2	263												
8	0	3	Mr. Charle	male	19	3	2	263												
9	1	3	Miss. Susi	female	21	2	2	262.375												
10	1	3	Miss. Emil	female	18	2	2	262.375												
11	1	3	Mrs. Jame	female	50	0	1	247.5208												
12	0	3	Mr. Quigg	male	24	0	1	247.5208												
13	1	1	Mrs. John	female	18	1	0	227.525												
14	0	2	Mr. Victor	male	45	0	0	227.525												
15	1	3	Miss. Rosi	female	42	0	0	227.525												
16	1	1	Miss. Carc	female	38	0	0	227.525												
17	0	2	Mr. John	male	49	0	0	221.7792												
18	0	3	Mr. Harry	male	27	0	2	211.5												
19	1	1	Mrs. Edwa	female	43	0	1	211.3375												
20	1	1	Miss. Geo	female	15	0	1	211.3375												
21	1	1	Miss. Eliza	female	29	0	0	211.3375												
22	1	3	Miss. Mar	female	31	0	2	164.8667												
23	1	1	Mrs. Geor	female	45	1	1	164.8667												
24	1	3	Mrs. Willi	female	58	0	1	153.4625												
25	0	3	Mr. Georg	male	38	0	1	153.4625												
26	1	2	Miss. Eliza	female	40	0	0	153.4625												
27	0	2	Mrs. Huds	female	25	1	2	151.55												
28	0	3	Miss. Hele	female	2	1	2	151.55												
29	1	3	Master. Hi	male	0.92	1	2	151.55												
30	1	1	Miss. Alice	female	22	0	0	151.55												
31	1	3	Mrs. Willi	female	48	1	0	146.5208												
32	1	3	Miss. Eliza	female	58	0	0	146.5208												
33	1	3	Miss. Mari	female	36	0	0	135.6333												
34	1	3	Miss. Ame	female	35	0	0	135.6333												
35	0	3	Mr. Sante	male	22	0	0	135.6333												
36	1	3	Mrs. Fredi	female	40	1	1	134.5												
37	1	3	Miss. Eliza	female	41	0	0	134.5												
38	1	2	Dr. Henry	male	50	2	0	133.65												

Ready