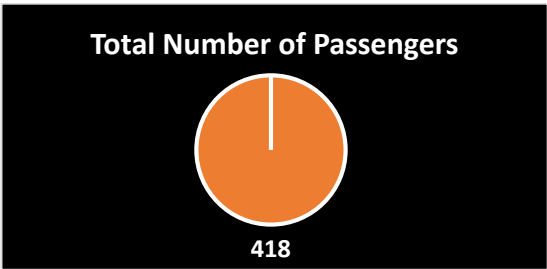




TITANIC CASE STUDY REPORT

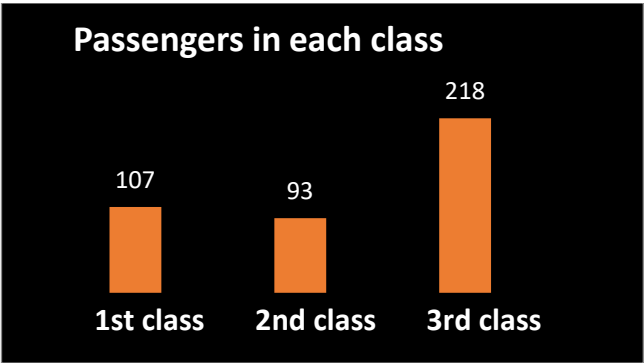
Exploratory Data Analysis

1.Total number of passengers onboard the ship No. of Passengers 418



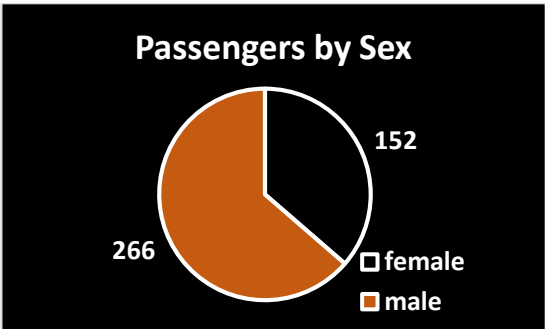
2. Passengers by class

Number of passengers by class	
1st class	107
2 nd class	93
3rd class	218
Total	418



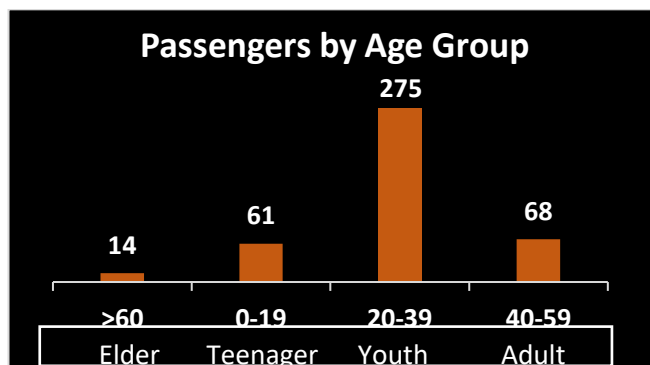
3. Passengers by sex (male and female)

Passengers by sex	
Male	266
Female	152
Total	418



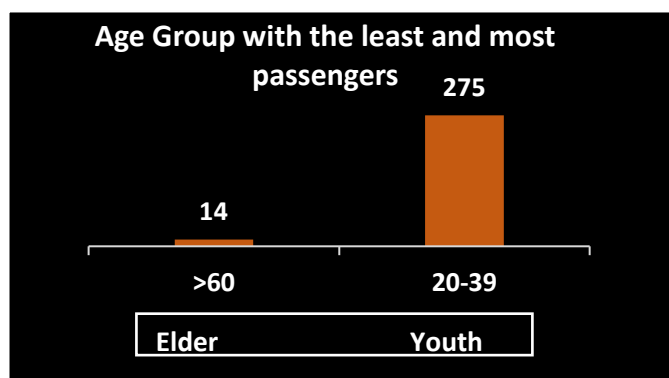
4. Passengers by Age groups

Age group	Number of passengers
0-19	61
20-39	275
40-59	68
>60	14
Total	418



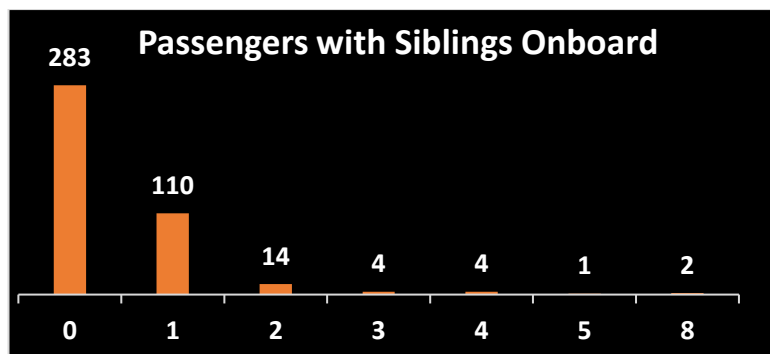
5. Age group with most and least passengers

	Age group	Number of passengers
Most	20-39 youth	275
Least	>60 Elder	14



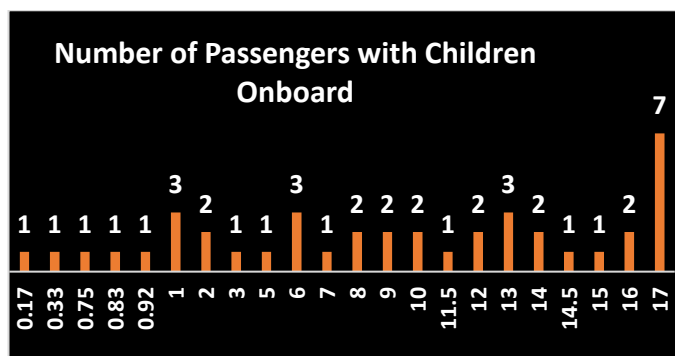
6. Passengers with siblings on board

Passengers	Number of siblings
283	Had no sibling
110	1
14	2
4	3
4	4
5	1
8	2



7. Passengers with children on board

Passengers	Number of children
1	0.17
1	0.33
1	0.75
1	0.83
1	0.92
3	1
2	2
1	3
1	5
3	6
1	7
2	8
2	9
2	10
1	11.5
2	12
3	13
2	14
1	14.5
1	15
2	16
7	17

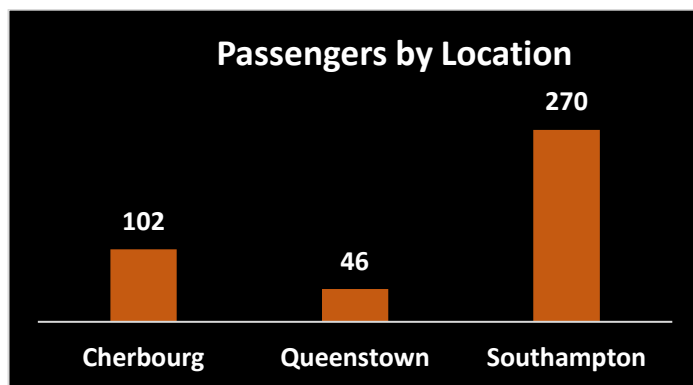


8. Fare Prices.

Total fare prices	Average fare prices	Max fare prices	Min fare prices
£14,891.54	£35.63	£512.33	£3.17

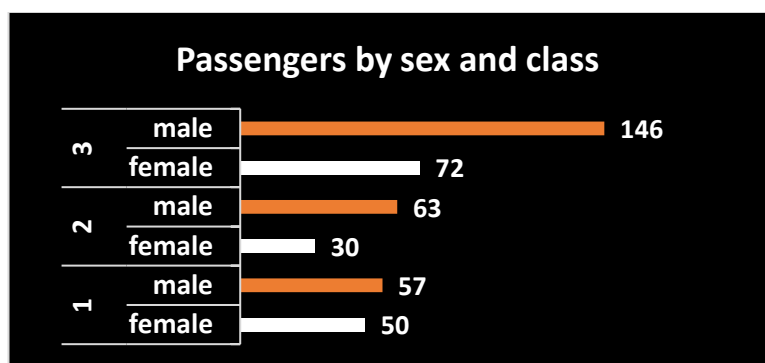
9. Passengers by location

Locations	Number of passengers
Queenstown	46
Southampton	270
Cherbourg	102



10. Passengers by Sex and Class

Sex	Class		
	3rd	2nd	1st
Male	146	63	57
Female	72	30	50



Titanic Dashboard

Survival ☐ ☒

Embarked ☐ ☒

Dead ☐ Survived ☒

Cherbourg ☐ Queenst... ☒

Southam... ☐ C ☒

Total Number of Passengers



Total Fare
£14,891.54

Max Fare
£512.33

Average Fare
£35.63

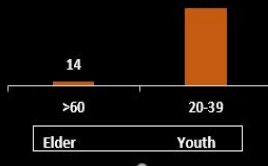
Min Fare
£3.17



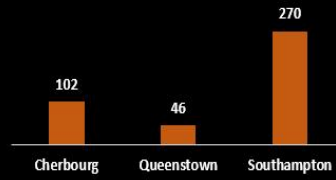
Passengers in each Class



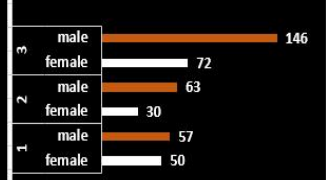
Age Group with the least and most passengers



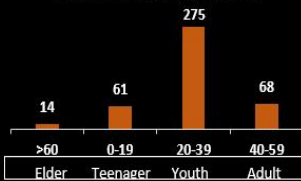
Passengers by Location



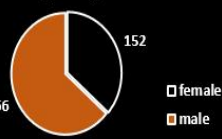
Passengers by Sex and Class



Passengers by Age Group



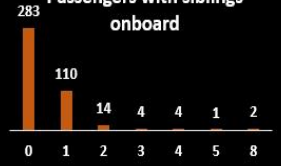
Passengers by Sex



Number of Passengers with Children onboard



Passengers with siblings onboard



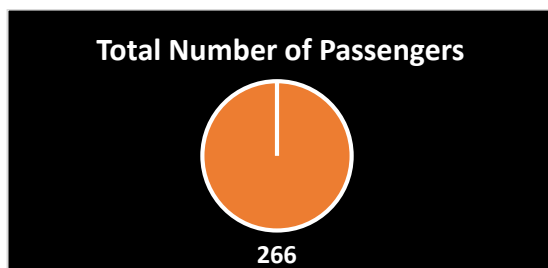
Tailored Data Analysis

1. No. of dead and Survived passengers

No. of Passengers	
Survived	152
Dead	266



Survived Passengers 152



Dead Passengers 266

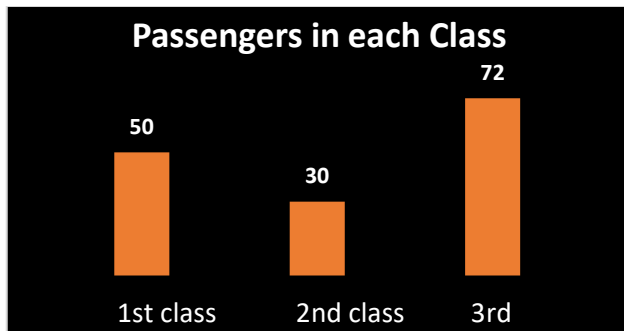
2. Survived Passengers by Sex

Survived	No. of Passengers
Female	152
Male	0
Total	152



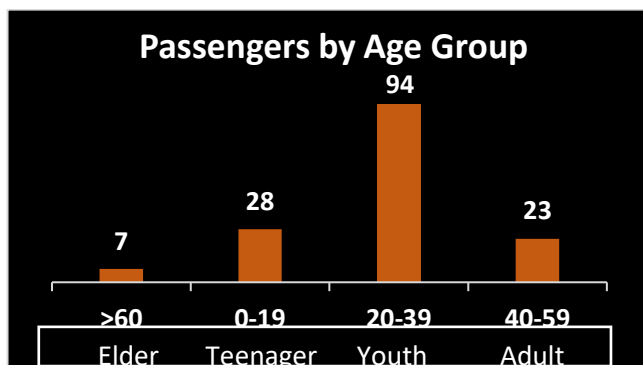
3. Survived Passengers by Class

Class	Survived
1 st Class	50
2d Class	30
3 rd Class	72
Total	152



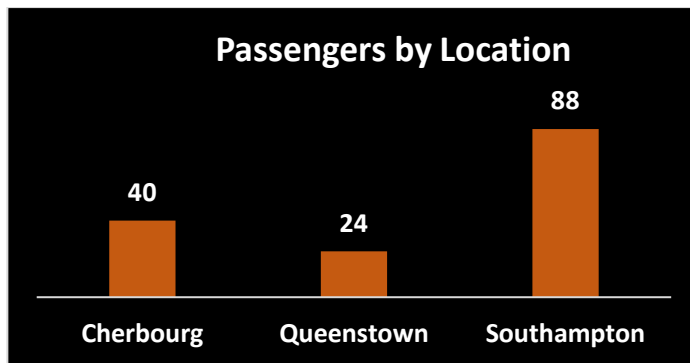
4 Survived Passengers by Age group

Survived by Age Group	No. of Passengers
>60 Elder	7
1-19 Teenager	28
20-39 Youth	94
40-59 Adult	23
Total	152



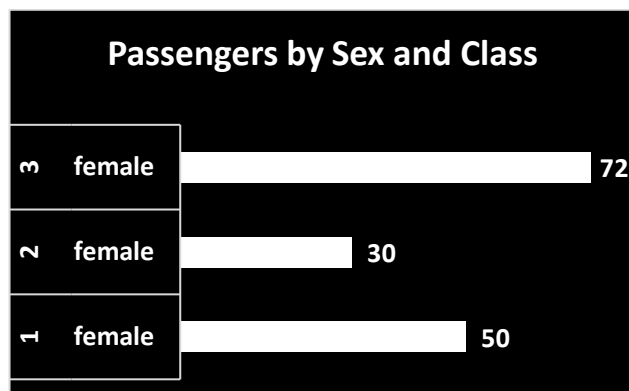
5 Survived Passengers by Embarked Location

Survived by Location	No. of Passengers
Cherbourg	40
Queenstown	24
Southampton	88
Total	152



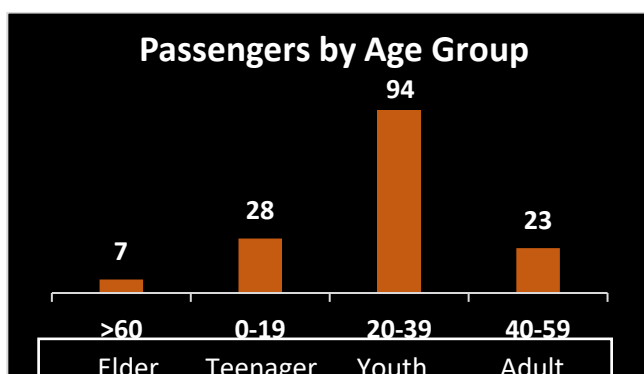
6 Survived Male to Female Ratio by Class

Class	Male	Female
1 st Class	0	50
2d Class	0	30
3 rd Class	0	72
Total	0	152

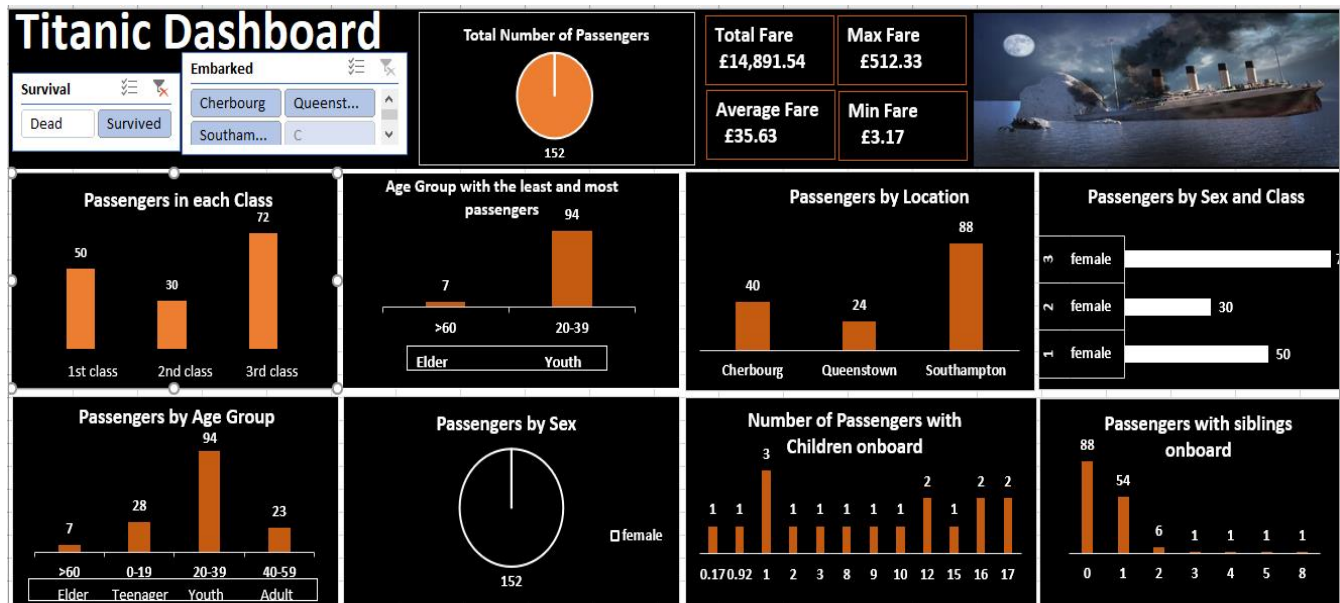


7 Survived Male to Female Ratio by Age Group

Class	Male	Female
>60	0	7
1-19	0	28
20-39	0	94
40-59	0	23
Total	0	152



Survived Passengers Dashboard



Dead Passengers Dashboard

