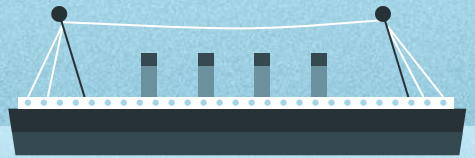
— Who Survived —

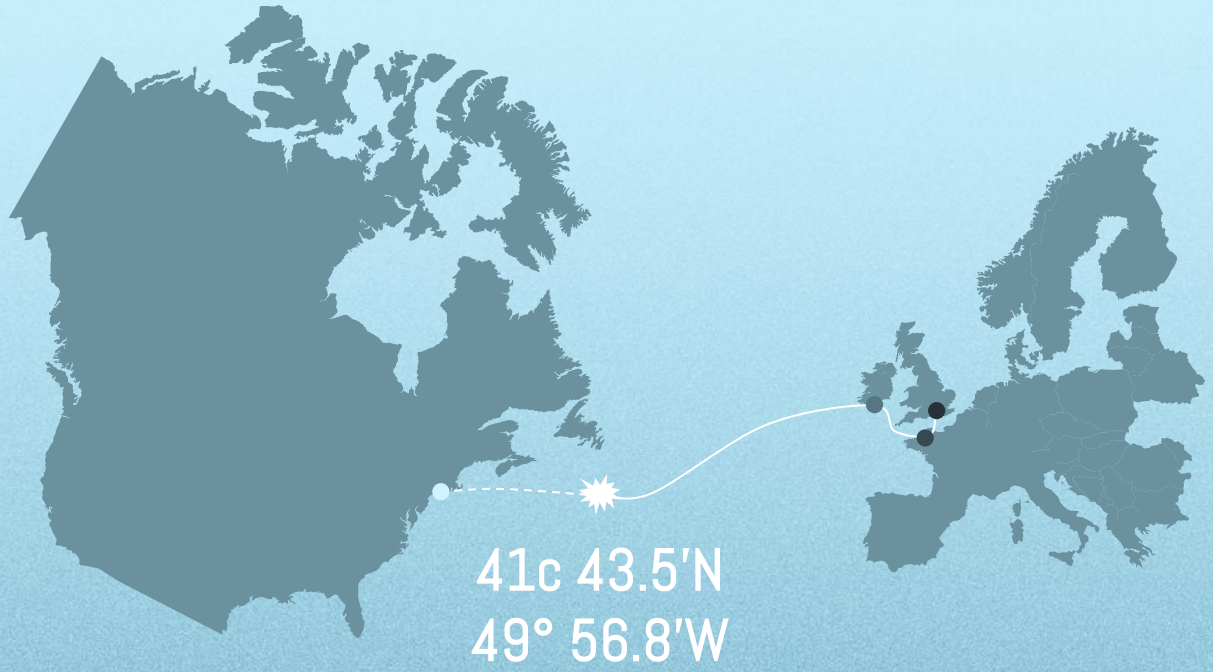
TITANIC

— Tragedy —

Tableau presentation



— Titanic ship voyage —



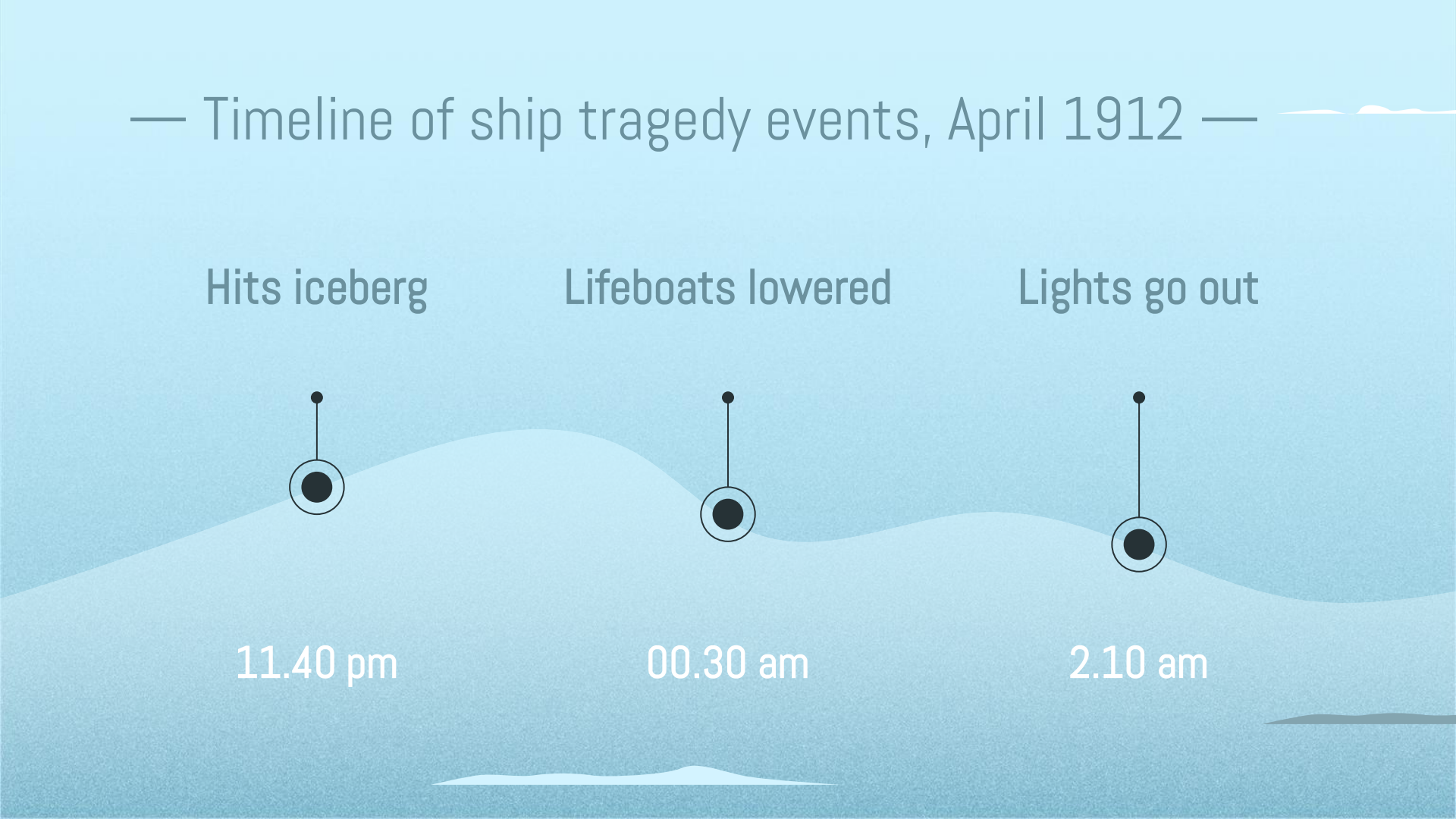
Embarkment ports

Southampton

Cherbourg

Queenstown

— Timeline of ship tragedy events, April 1912 —



— Timeline of ship tragedy events II, April 1912 —

Breaks in two

2.17 am

Boat sinks

2.19 am

Hits the bottom

2.24 am

882 ft

Titanic’s length

1,451 miles

Titanic’s distance travelled

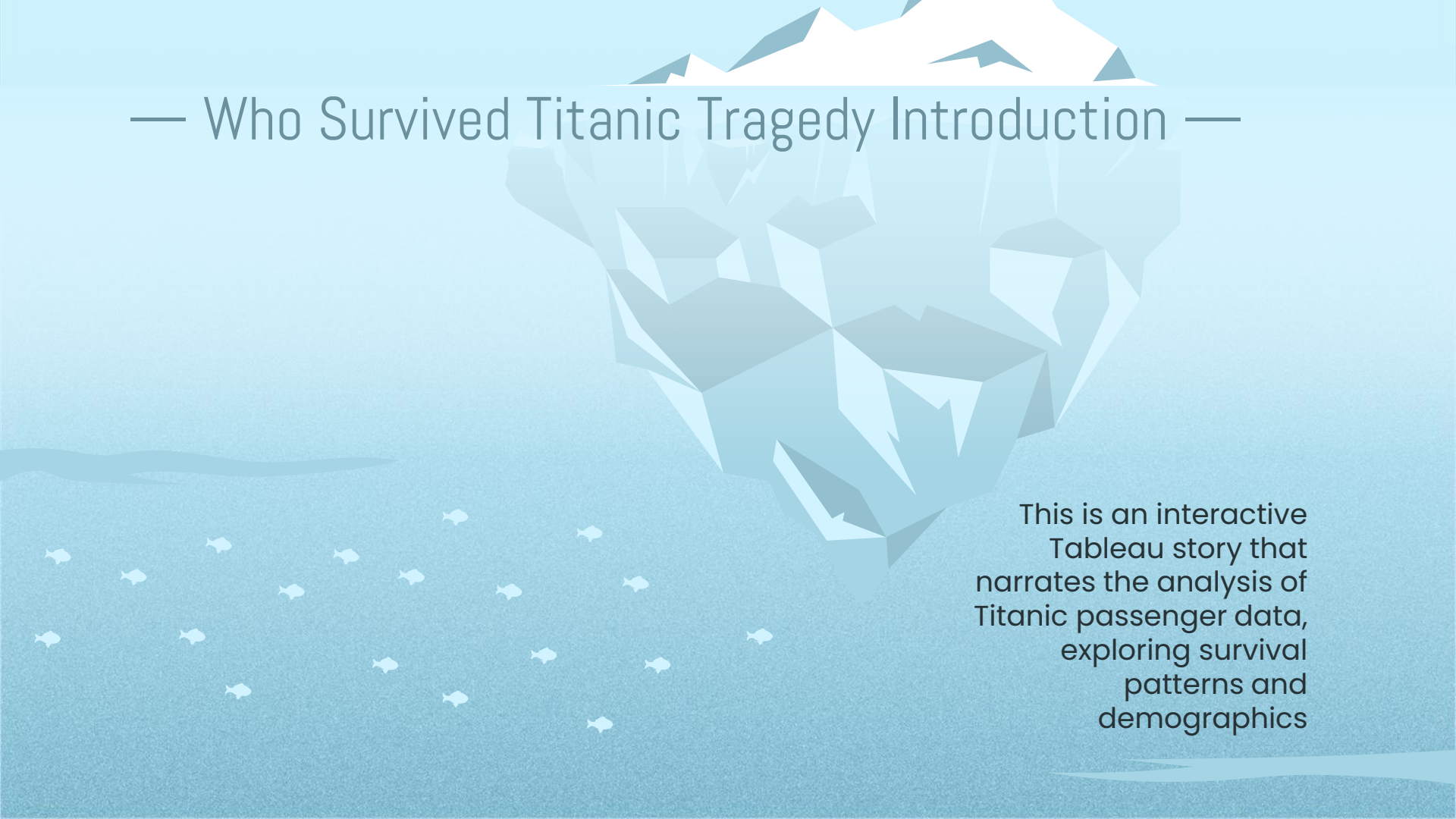
1,517

Lives were lost

28°F

The ocean’s temperature

— Who Survived Titanic Tragedy Introduction —



This is an interactive Tableau story that narrates the analysis of Titanic passenger data, exploring survival patterns and demographics

— Titanic story points—

1.

Passenger Demographics

- Overview of passenger characteristics
- Class distribution by embarkation port
- Initial demographic breakdown

2.

Survival Analysis

- Survival rates by gender
- Survival patterns across passenger classes
- Family size impact on survival
- Age group survival analysis

3.

Passenger Age & Fare Analysis

- Survival rates by gender
- Survival patterns across passenger classes
- Family size impact on survival
- Age group survival analysis

4.

Survivor Geography

- Geographic visualization of embarkation port
- Survival rates by embarkation location
- Map-based analysis of passenger origin

5.

Survivor List

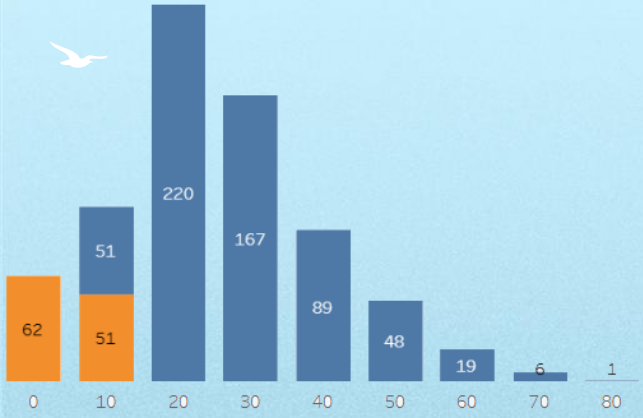
- Detailed list of survivors by embarkation port
- Survivor counts and percentages
- Comprehensive survivor breakdown

— Data for Titanic story —

PassengerId	Survived	Pclass	Name	Sex	Age	SibSp	Parch	Ticket	Fare	Cabin	Embarked
1	0	3	Braund, Mr. Owen Harris	male	22	1	0	A/5 21171	7.25		S
2	1	1	Cumings, Mrs. John Bradley (Florence Briggs Thayer)	female	38	1	0	PC 17599	71.2833	C85	C
3	1	3	Heikkinen, Miss. Laina	female	26	0	0	STON/O2. 3101282	7.925		S
4	1	1	Futrelle, Mrs. Jacques Heath (Lily May Peel)	female	35	1	0	113803	53.1	C123	S
5	0	3	Allen, Mr. William Henry	male	35	0	0	373450	8.05		S
6	0	3	Moran, Mr. James	male		0	0	330877	8.4583		Q
7	0	1	McCarthy, Mr. Timothy J	male	54	0	0	17463	51.8625	E46	S
8	0	3	Palsson, Master. Gosta Leonard	male	2	3	1	349909	21.075		S
9	1	3	Johnson, Mrs. Oscar W (Elisabeth Vilhelmina Berg)	female	27	0	2	347742	11.1333		S
10	1	2	Nasser, Mrs. Nicholas (Adele Achem)	female	14	1	0	237736	30.0708		C
11	1	3	Sandstrom, Miss. Marguerite Rut	female	4	1	1	PP 9549	16.7	G6	S
12	1	1	Bonnell, Miss. Elizabeth	female	58	0	0	113783	26.55	C103	S
13	0	3	Saundercock, Mr. William Henry	male	20	0	0	A/5. 2151	8.05		S
14	0	3	Andersson, Mr. Anders Johan	male	39	1	5	347082	31.275		S
15	0	3	Vestrom, Miss. Hulda Amanda Adolfina	female	14	0	0	350406	7.8542		S
16	1	2	Hewlett, Mrs. (Mary D Kingcome)	female	55	0	0	248706	16		S
17	0	3	Rice, Master. Eugene	male	2	4	1	382652	29.125		Q
18	1	2	Williams, Mr. Charles Eugene	male		0	0	244373	13		S
19	0	3	Vander Planke, Mrs. Julius (Emelia Maria Vandemoortele)	female	31	1	0	345763	18		S
20	1	3	Masselmani, Mrs. Fatima	female		0	0	2649	7.225		C
21	0	2	Fynney, Mr. Joseph J	male	35	0	0	239865	26		S
22	1	2	Beesley, Mr. Lawrence	male	34	0	0	248698	13	D56	S
23	1	3	McGowan, Miss. Anna "Annie"	female	15	0	0	330923	8.0292		Q
24	1	1	Sloper, Mr. William Thompson	male	28	0	0	113788	35.5	A6	S
25	0	3	Palsson, Miss. Torborg Danira	female	8	3	1	349909	21.075		S
26	1	3	Asplund, Mrs. Carl Oscar (Selma Augusta Emilia Johansson)	female	38	1	5	347077	31.3875		S
27	0	3	Emir, Mr. Farred Chehab	male		0	0	2631	7.225		C

1. Passenger Demographics

Passengers Age



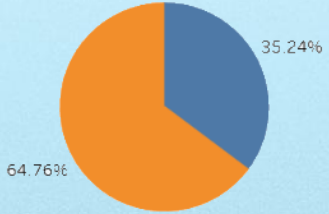
Minor
- False
- True

Age Range
(Multiple values)

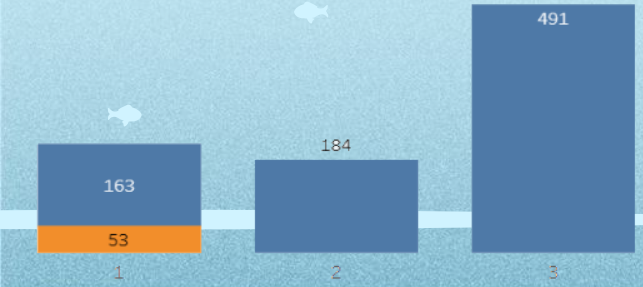
Minimum Age
0

Passengers Gender

Gender
- female
- male



Passengers Class



High Fare Payer
- False
- True

Class
(All)

Passengers class by embarkation

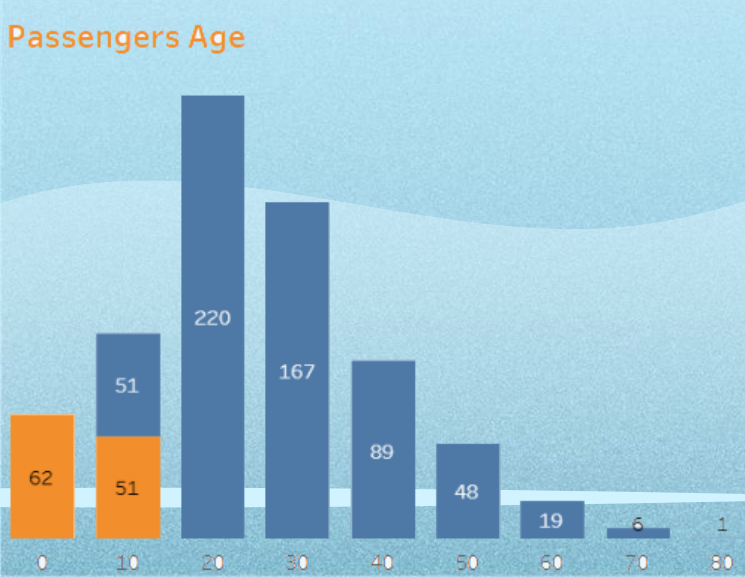
Class
(All)

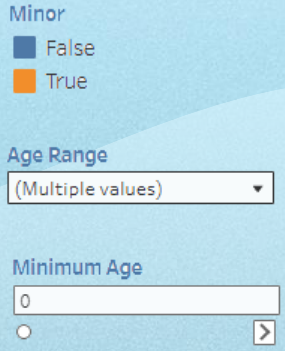
Embarkation Port
Cherbourg

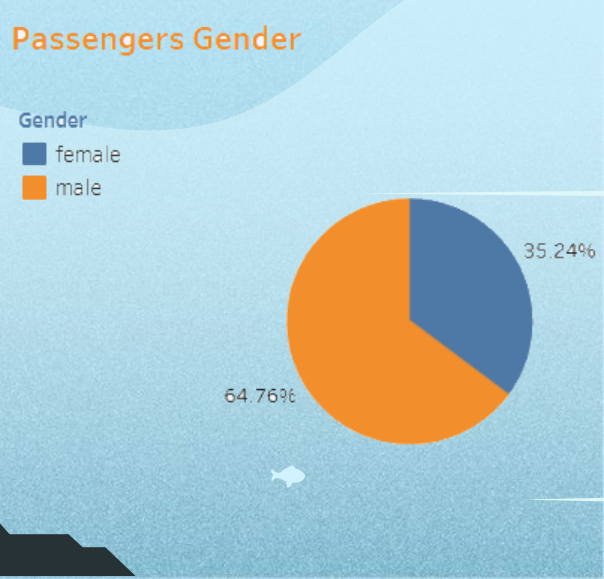
1. Passenger Demographics

- Bar chart offers passenger age breakdown: 0-80
- Minors (less than 18) are displayed in orange
- Most of passengers were between 20-30 years old
- Age Range filter allows to view people only of certain age group
- With Minimum Age filter you can set the starting age of passengers to be displayed

- Pie chart offers passenger gender breakdown
- Males are displayed in orange, females – in blue
- Most of passengers were males: almost 65%
- There were 35% females on the ship



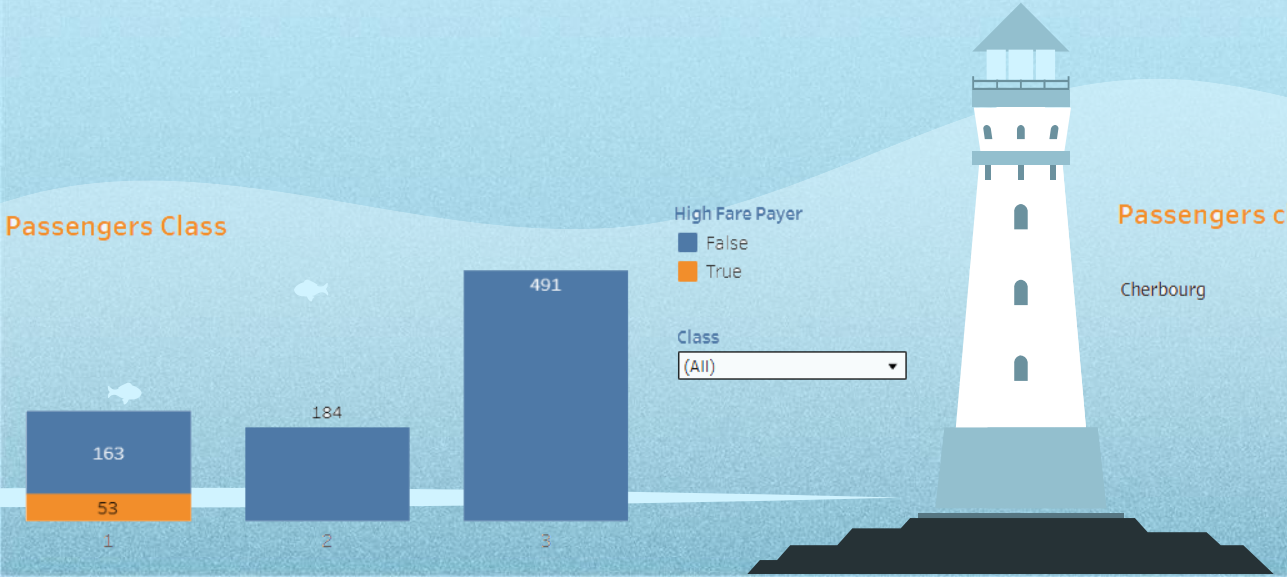


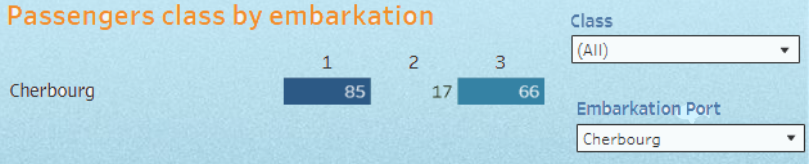


1. Passenger Demographics

- Bar chart offers passenger fare class breakdown: 1-3
- High fair payers (more than $100) are displayed in orange
- Most of passengers purchased 3d class tickets
- 53 passengers in 1st class were high fair payers
- Class filter allows displaying passengers who purchased tickets of only certain classes

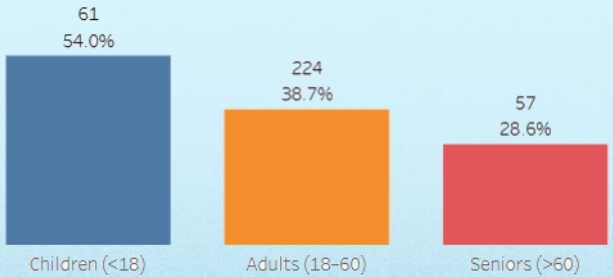
- Highlighted table offers passenger fare class breakdown by embarkation port
- Most people boarded in Cherbourg (85) purchased 1st class tickets
- Embarkation Port dropdown filters passengers by port: Cherbourg, Queenstown, or Southampton
- Class filter allows displaying passengers who purchased tickets of only certain classes





2. Survival Analysis

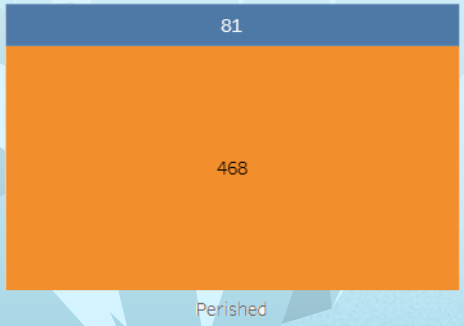
Survival by Age Group



Age Group
- Children (<18)
- Adults (18-60)
- Seniors (>60)

Age Group
(All)

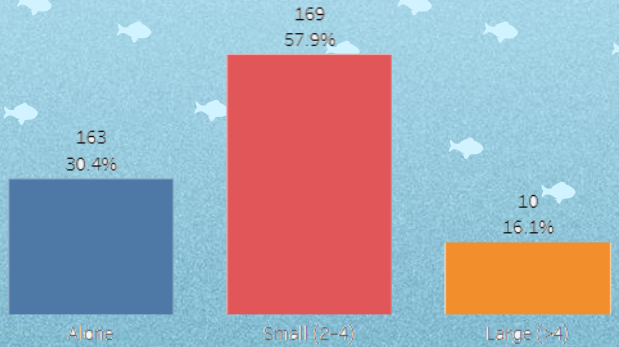
Survival by Gender



Gender
- female
- male

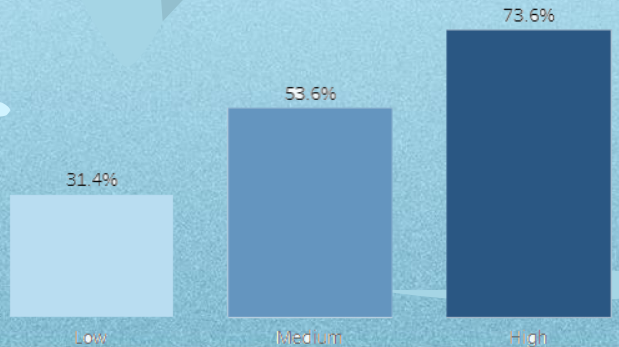
Survival Status
Perished

Survival by Family Size



Family Size
- Alone
- Small (2-4)
- Large (>4)

Survival by Fare

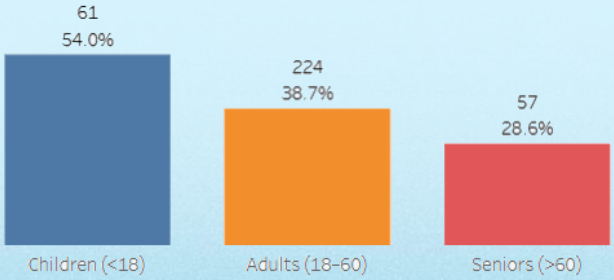


Medium Fare Threashold
30

High Fare Threashold
100

2. Survival Analysis

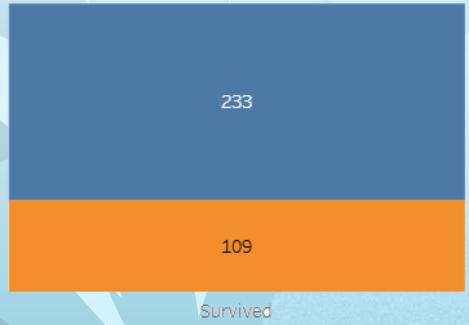
Survival by Age Group



Age Group
- Children (<18)
- Adults (18-60)
- Seniors (>60)

Age Group
(All)

Survival by Gender



Gender
- female
- male

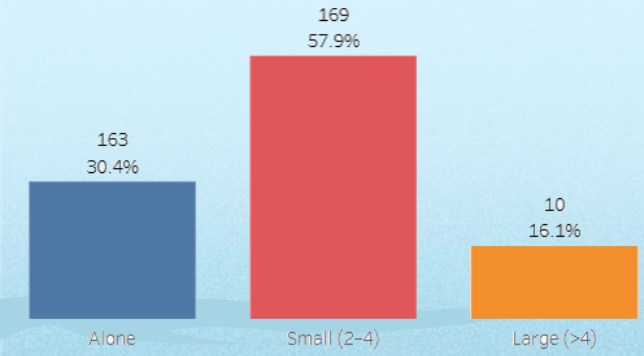
Survival Status
Survived

- Left Bar chart offers survived passenger age group breakdown: children, adults, seniors
- Children are displayed in blue, adults – in orange, seniors – in red
- Most survived passengers were adults (224). But children had the highest survival rate (54%).
- Age Group dropdown allows filtering passengers based on whether they were children, adults or seniors

- Right Bar chart shows survived/perished passenger breakdown by gender
- Most survived people were females (233)
- Females are displayed in blue, males – in orange
- Survival Status filter allows viewing only survived or perished passengers by gender

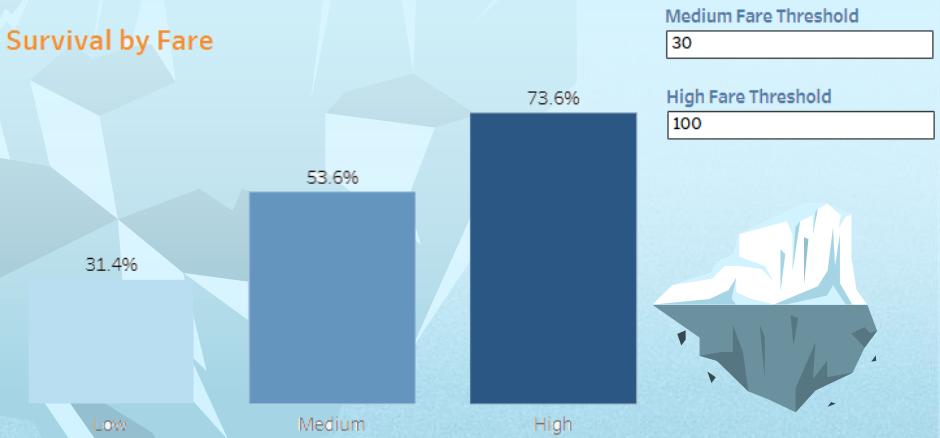
2. Survival Analysis

Survival by Family Size



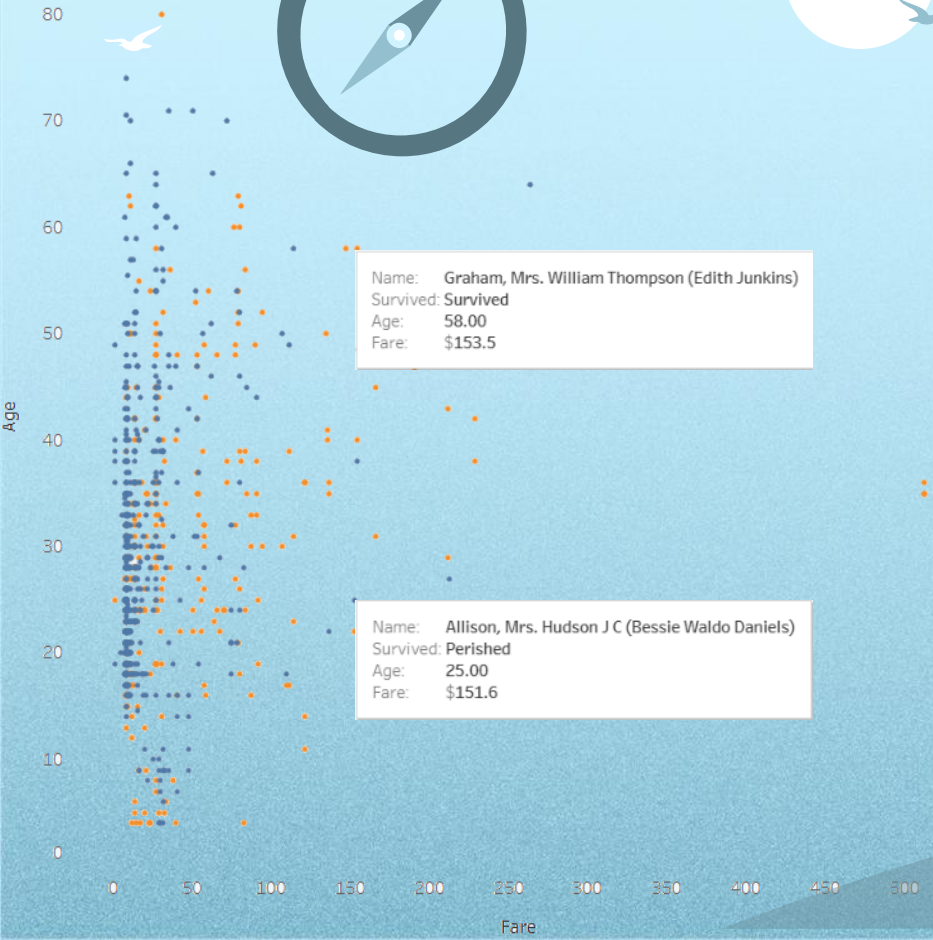
- Left Bar chart offers survived passenger family size breakdown: alone, small, large
- Alone are displayed in blue, small – in red, large – in orange
- Mostly survived small families (169 people, almost 58%).
- Least survived large families (10 people, 16%).

Survival by Fare



- Right Bar chart shows survived passenger breakdown by fare
- People paid the highest fair survived the most (73%)
- Low, medium and high fair bars are displayed in different shades of blue
- Medium and Hire Fare Threshold boxes allow setting the range for low, medium and high fair

3. Passenger Age & Fare Analysis



Survived
Perished
Survived

Minimum Age
3

- Scatterplot shows survived/perished passenger breakdown by age and fare
- Age is Y axis (0 - 80 years), Fare – X axis ($0 - $500)
- Perished passenger is displayed as a blue dot, survived – as an orange one
- Most passengers paid up to $50 in fair and perished
- Minimum Age filter allows setting the minimum age of displayed passengers on the scatterplot

4. Survivor Geography

- Geographic visualization of embarkation port
- Survival rates by embarkation location
- Map-based analysis of passenger origin
- Most passenger boarded at Southampton port (644). Out of those – 217 survived

5. Survivor List

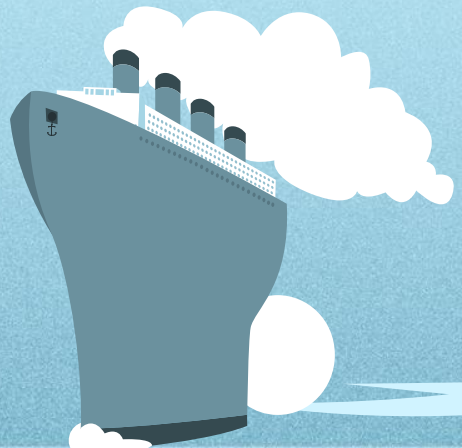
Survivors	93	30	217
Faunthorpe, Mrs. Lizzie (Elizabeth Anne Wilkinson)			Southampton
Fleming, Miss. Margaret	Cherbourg		
Flynn, Mr. John Irwin ("Irving")			Southampton
Foo, Mr. Choong			Southampton
Fortune, Miss. Alice Elizabeth			Southampton
Fortune, Miss. Mabel Helen			Southampton
Francatelli, Miss. Laura Mabel	Cherbourg		
Frauenthal, Dr. Henry William			Southampton
Frauenthal, Mrs. Henry William (Clara Heinsheimer)			Southampton
Frolicher-Stehli, Mr. Maxmillian	Cherbourg		
Frolicher, Miss. Hedwig Margaritha	Cherbourg		
Futrelle, Mrs. Jacques Heath (Lily May Peel)			Southampton
Garside, Miss. Ethel			Southampton
Gilnagh, Miss. Katherine "Katie"		Queenstown	
Glynn, Miss. Mary Agatha		Queenstown	
Goldenberg, Mr. Samuel L	Cherbourg		
Goldenberg, Mrs. Samuel L (Edwiga Grabowska)	Cherbourg		
Goldsmith, Master. Frank John William "Frankie"			Southampton
Goldsmith, Mrs. Frank John (Emily Alice Brown)			Southampton
Graham, Miss. Margaret Edith			Southampton
Graham, Mrs. William Thompson (Edith Junkins)			Southampton
Greenfield, Mr. William Bertram	Cherbourg		
Hakkarainen, Mrs. Pekka Pietari (Elin Matilda Dolck)			Southampton
Hamalainen, Master. Viljo			Southampton
Hamalainen, Mrs. William (Anna)			Southampton
Harder, Mr. George Achilles	Cherbourg		
Harper, Miss. Annie Jessie "Nina"			Southampton
Harper, Mr. Henry Sleeper	Cherbourg		
Harper, Mrs. Henry Sleeper (Myna Haxtun)	Cherbourg		
Harris, Mr. George			Southampton
Harris, Mrs. Henry Birkhardt (Irene Wallach)			Southampton
Hart, Miss. Eva Miriam			Southampton

Embarked

(Multiple values)

- Cherbourg
- Queenstown
- Southampton

- Table shows list of survivors by embarkation port
- Passengers boarded in Cherbourg are displayed in green, Queenstown – in orange, Southampton – in red
- Most survived passengers boarded at Southampton (217)
- Embarked filter allows viewing passengers by embarked port



Who Survived Titanic Tragedy

Titanic story offers easy navigation buttons and arrows

Thank You

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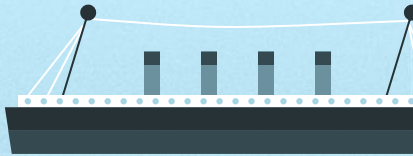

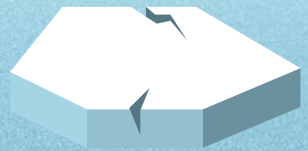

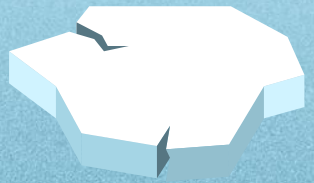

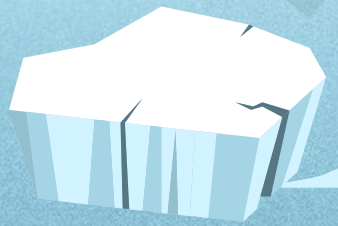

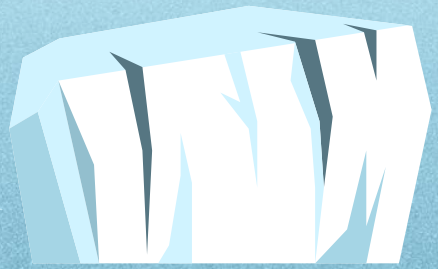

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