

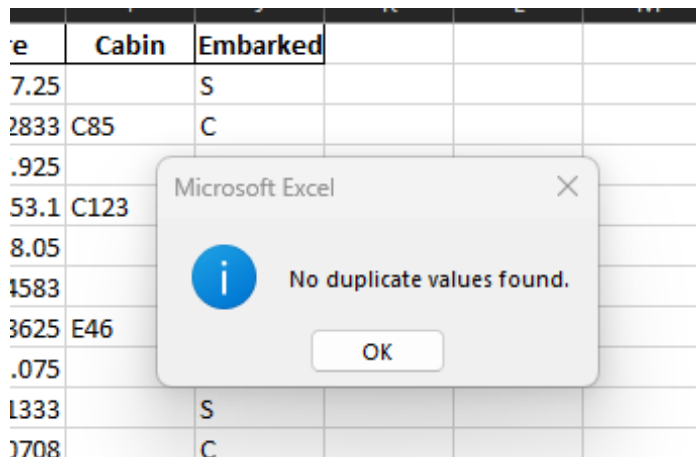
Objective

To explore, clean, analyze, and visualize the Titanic passenger dataset to extract meaningful insights, and present the findings in a clear, professional dashboard.

Tasks Performed

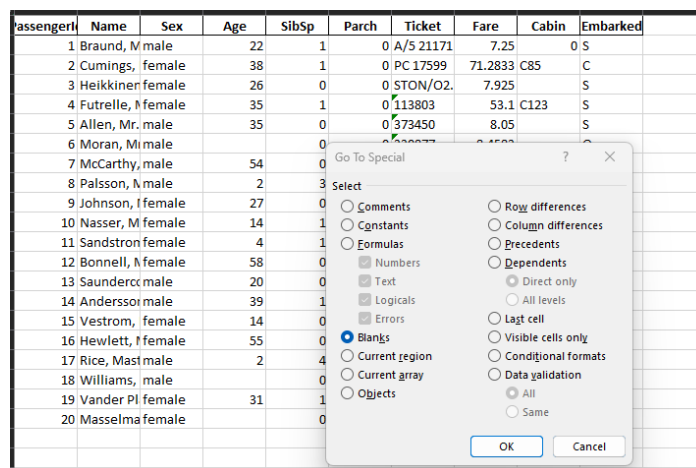
Data Cleaning

- Removed duplicate rows (0 found).



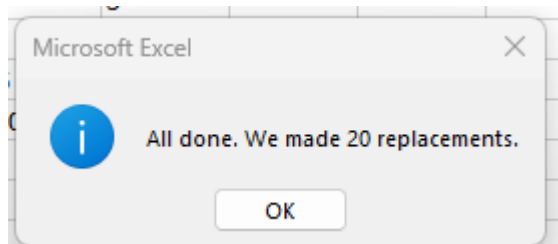
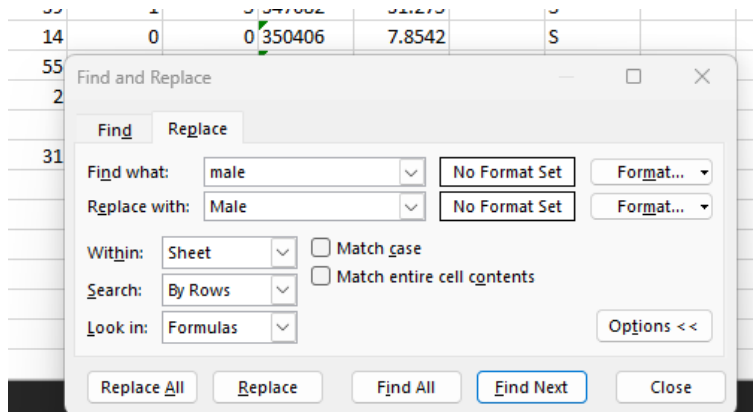
The screenshot shows a Microsoft Excel window with a dialog box titled "No duplicate values found." The dialog box has an information icon (i) and an "OK" button. In the background, a table of Titanic passenger data is visible, with columns labeled "Cabin" and "Embarked". The table contains several rows of data, including passenger names, ages, and ticket numbers.

- Handled 13 missing values by filling them with 0.



The screenshot shows a Microsoft Excel window with a "Go To Special" dialog box. The dialog box has a "Select" section with radio buttons for "Comments", "Constants", "Formulas", "Numbers", "Text", "Logicals", "Errors", "Blanks", "Current region", "Current array", and "Objects". The "Blanks" option is selected. There are also radio buttons for "Row differences", "Column differences", "Precedents", "Dependents", "Direct only", "All levels", "Last cell", "Visible cells only", "Conditional formats", and "Data validation". The "Data validation" option is selected. The dialog box has "OK" and "Cancel" buttons. In the background, a table of Titanic passenger data is visible, with columns labeled "PassengerId", "Name", "Sex", "Age", "SibSp", "Parch", "Ticket", "Fare", "Cabin", and "Embarked". The table contains 20 rows of data, including passenger names, ages, and ticket numbers.

- Standardized inconsistent categories (e.g., gender labels).



male → Male

✓ Data Analysis

- Calculated highest, lowest, and average fares.

Fare		Fare
7.25		71.2833
71.2833		53.1
7.925		51.8625
53.1		31.275
8.05		30.0708
8.4583		29.125
51.8625		26.55
21.075		21.075
11.1333		18
30.0708		16.7
16.7		16
26.55		13
8.05		11.1333
31.275		8.4583
7.8542		8.05
16		8.05
29.125		7.925
13		7.8542
18		7.25
7.225		7.225

- LARGEST → 71.2833
- SMALLEST → 7.225
- AVERAGE → 22.19937

- Counted passengers by gender, embarked port, and class.

- | Row Labels | Sum of PassengerId |
|--------------------|--------------------|
| feMale | 121 |
| Male | 89 |
| (blank) | |
| Grand Total | 210 |

- | Row Labels | Sum of PassengerId |
|--------------------|--------------------|
| C | 32 |
| Q | 23 |
| S | 155 |
| (blank) | |
| Grand Total | 210 |

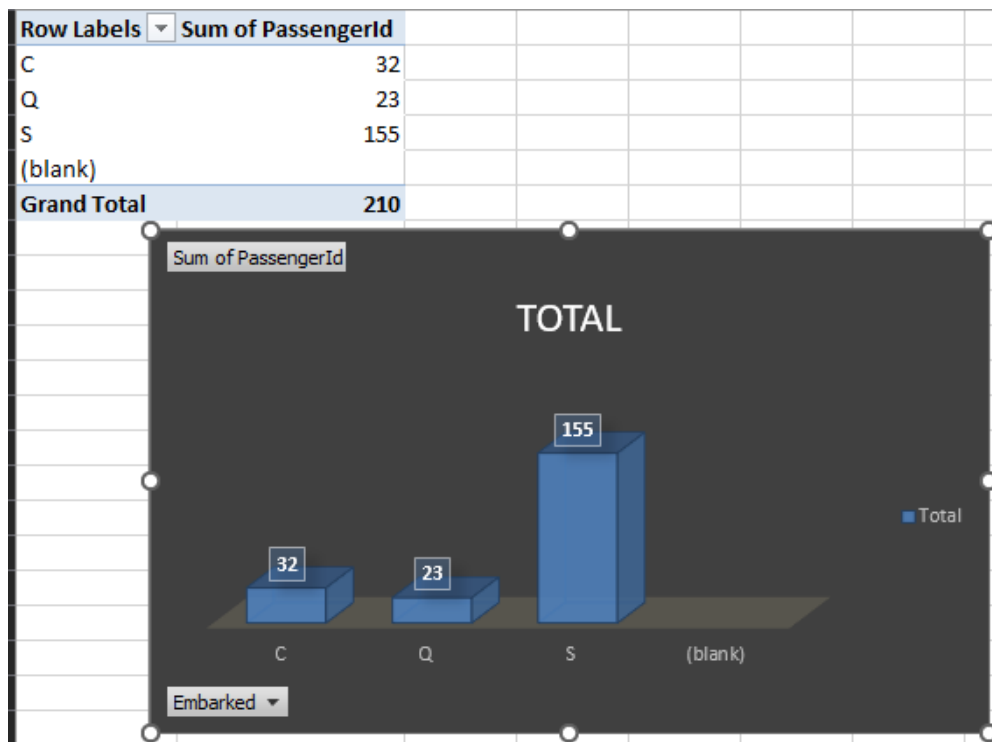
- | Row Labels | Sum of PassengerId |
|--------------------|--------------------|
| 0 | 1 |
| C103 | 12 |
| C123 | 4 |
| C85 | 2 |
| E101 | 16 |
| E46 | 7 |
| G6 | 11 |
| (blank) | 157 |
| Grand Total | 210 |

- Observed trends and anomalies in the data.

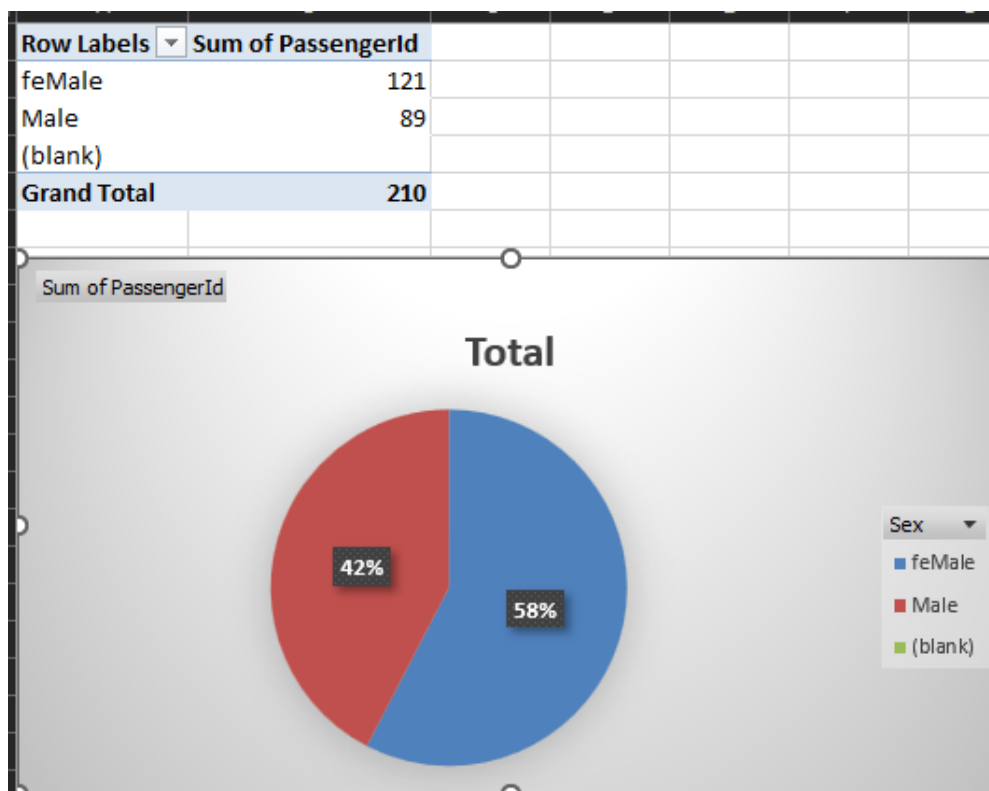
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Data Visualization

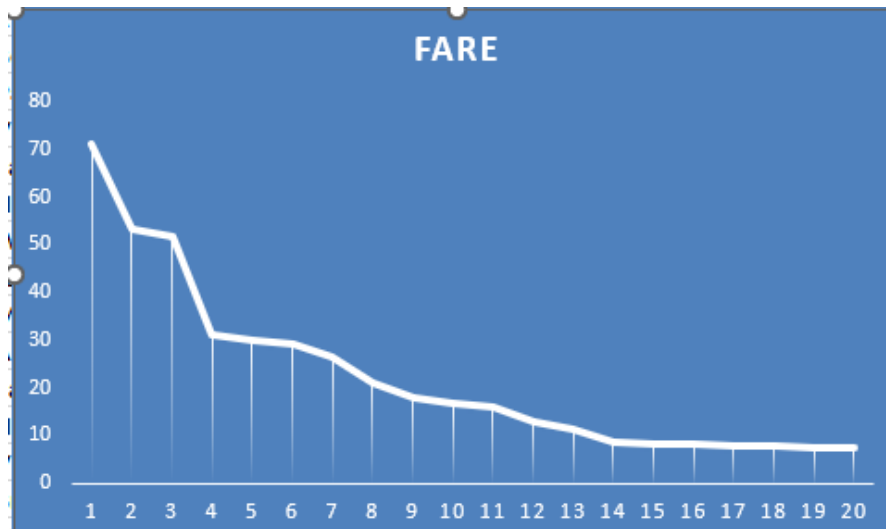
- Created a **Bar Chart** to show passengers by embarkation port.



- Created a **Pie Chart** to show gender distribution.



- Created a **Line Chart** to show fare trends across passengers.



- Combined all charts into a professional dashboard.

◆ Key Insights

- **Gender:** 58% passengers were Male (37), 42% were Female (43).
- **Embarkation Port:** Most passengers embarked at port S (270), followed by C (102) and Q (46).
- **Fare:** Fare ranged from 0 to about 512, with most fares concentrated at the lower end.

◆ Visualizations

Dashboard

(Insert Screenshot Here)

Bar Chart: Passengers by Embarkation Port

(Insert Screenshot Here)

Pie Chart: Gender Distribution

(Insert Screenshot Here)



Line Chart: Fare Trend

(Insert Screenshot Here)

◆ Skills Demonstrated

- ✓ Data Cleaning
 - ✓ Data Analysis
 - ✓ Data Visualization
 - ✓ Dashboard Design
 - ✓ Storytelling with Data
-

◆ Files

-  Excel Dashboard: [Add link if uploading online]
 -  PDF Report: [This document]
-

How to Finalize

- ✓ Open Word or Google Docs
- ✓ Paste the above template
- ✓ Replace placeholders like [Your Name] & [Today's Date]
- ✓ Add your screenshots in the marked places
- ✓ Save as:

Copy code

Passenger_Data_Analysis_Report.pdf

When you finish:

- ✓ You'll have:
 - Excel File: Passenger_Data_Analysis_Dashboard.xlsx
 - PDF Report: Passenger_Data_Analysis_Report.pdf
 - Screenshots Folder: Screenshots/

If you want, I can also help you write:

- ✂ Resume bullet points
 - ✂ LinkedIn post text
 - ✂ Optional: Upload to Google Drive & write a sharing note
-

✨ If you'd like me to also draft your **resume entry & LinkedIn post**, just say:

✓ *"Help me with resume & LinkedIn"*

And we'll keep going. Let me know when you've pasted this & added your screenshots! ☀