1. What is the distribution of passengers' ages on the Titanic?
2. How many passengers survived vs. not survived? Visualize the count using a bar plot.
3. What is the distribution of passenger class (Pclass) on the Titanic?
4. Visualize the distribution of passenger ages for each passenger class using a box plot.
5. Create a pair plot to explore relationships between numerical variables like age, fare, and the number of siblings/spouses (sibsp) aboard.
6. How does the survival rate differ based on passenger class? Visualize it using a bar plot.
7. Create a heatmap to visualize the correlation between numerical features (age, fare, sibsp, parch) in the Titanic dataset.
8. How does the survival rate vary based on gender (sex)? Visualize it using a bar plot.
9. What is the distribution of fares paid by passengers on the Titanic?
10. Create a violin plot to compare the distribution of ages for survivors and non-survivors.
11. How does the survival rate differ based on the port of embarkation (embarked)? Visualize it using a bar plot.
12. Create a scatter plot to explore the relationship between age and fare paid by passengers.
13. Visualize the count of passengers based on the combination of their passenger class and gender.
14. Create a pair plot with the 'age', 'fare', and 'survived' columns to explore relationships between these variables.
15. How does the survival rate vary based on the number of parents/children (parch) aboard? Visualize it using a bar plot.
16. How did the survival rate change over time? Create a line plot showing the survival rate trend over different ages.
17. Is there any correlation between the age and fare paid by passengers? Create a joint plot to explore their relationship.
18. Compare the distributions of fares paid by survivors and non-survivors using a line plot.
19. Create a line plot to visualize the changes in the average fare paid over different embarkation ports.