**Hdnb Data Analysis Question and Answer**

1. Overall Survival Rate:

- What percentage of passengers survived?

- 67.21

2. Survival by Passenger Class (Pclass):

- What is the survival rate for each passenger class (1st, 2nd, 3rd)?

- Class 1 = 67.09

Class 2 = 80.0

Class 3 = 50.0

1. Survival by Gender (Sex):

- What is the survival rate based on gender?

- Male – 43.16

Female – 93.18

4. Fare vs. Survival:

- What is the average fare for survivors vs. non-survivors?

- Survived – 85.82

Non-survived – 64.05

5. Age vs. Survival:

- What is the average age of survivors and non-survivors?

- Survivers – 32.91

Non-Survivers – 41.35

6. Survival by Embarkation Port (Embarked):

- What is the survival rate based on the port of embarkation (C = Cherbourg, Q = Queenstown, S = Southampton)?

- C – 73.85

Q – 50.0

S – 63.79

7. Family Size vs. Survival (SibSp and Parch):

- How does family size (sum of SibSp and Parch) affect survival?

- 0 – 60.76

1 – 72.13

2 – 71.43

8. Top 10 Survivors by Fare Paid:

- Who are the top 10 passengers who paid the highest fare and survived?

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| 1 | Cardeza, Mr. Thomas Drake Martinez | | 512.3292 |  |
| 2 | Lesurer, Mr. Gustave J | | 512.3292 |  |
| 3 | Fortune, Miss. Mabel Helen | | 263.0 |  |
| 4 | Fortune, Miss. Alice Elizabeth | | 263.0 |  |
| 5 | Ryerson, Miss. Emily Borie | | 262.375 |  |
| 6 | Ryerson, Miss. Susan Parker "Suzette" | | 262.375 |  |
| 7 | Baxter, Mrs. James (Helene DeLaudeniere Chaput) | | 247.5208 |  |
| 8 | Endres, Miss. Caroline Louise | | 227.525 |  |
| 9 | Astor, Mrs. John Jacob (Madeleine Talmadge Force) | | 227.525 |  |
| 10 | Madill, Miss. Georgette Alexandra | | 211.3375 |  |