## Observations for Each Visual

### 1. **Survival by Sex**

* **Females**: Much higher survival probability (~74%).
* **Males**: Very low survival probability (~19%).
* **Observation**: Gender was the **strongest determinant** of survival. Women were prioritized during rescue (“women and children first”).

### 2. **Survival by P class (Passenger Class)**

* **1st Class**: Highest survival rate (around 63%).
* **2nd Class**: Moderate survival (~47%).
* **3rd Class**: Lowest survival (~24%).
* **Observation**: Social/economic status played a major role—wealthier (higher-class) passengers had much better survival chances.

### 3. **Survival by Embarked**

* **Embarked at C (Cherbourg)**: Highest survival (~55%).
* **Embarked at Q (Queenstown)**: Moderate (~39%).
* **Embarked at S (Southampton)**: Lowest (~34%).
* **Observation**: Port of embarkation influenced survival slightly. Passengers from Cherbourg (often wealthier) had better outcomes, while most from Southampton (majority 3rd class) had lower survival.
* **Summary of Findings**

**Gender**: Survival was highly skewed—females had a much greater chance of survival compared to males.

**Passenger Class**: Wealthier passengers in 1st and 2nd class had significantly higher survival rates than those in 3rd class.

**Embarkation Point**: Passengers embarking at Cherbourg fared better, likely linked to higher socioeconomic status.

**Overall Insight**: Survival on the Titanic strongly depended on **gender and class**, with embarkation point being a secondary factor.