

## The first ten rows of the Titanic dataset

| Obs | Name                                          | PClass | Age  | Sex    | Survived |
|-----|-----------------------------------------------|--------|------|--------|----------|
| 1   | Allen, Miss Elisabeth Walton                  | 1st    | 29   | female | 1        |
| 2   | Allison, Miss Helen Loraine                   | 1st    | 2    | female | 0        |
| 3   | Allison, Mr Hudson Joshua Creighton           | 1st    | 30   | male   | 0        |
| 4   | Allison, Mrs Hudson JC (Bessie Waldo Daniels) | 1st    | 25   | female | 0        |
| 5   | Allison, Master Hudson Trevor                 | 1st    | 0.92 | male   | 1        |
| 6   | Anderson, Mr Harry                            | 1st    | 47   | male   | 1        |
| 7   | Andrews, Miss Kornelia Theodosia              | 1st    | 63   | female | 1        |
| 8   | Andrews, Mr Thomas, jr                        | 1st    | 39   | male   | 0        |
| 9   | Appleton, Mrs Edward Dale (Charlotte Lamson)  | 1st    | 58   | female | 1        |
| 10  | Artagaveytia, Mr Ramon                        | 1st    | 71   | male   | 0        |

# Frequency counts for categorical variables

## The FREQ Procedure

| PClass | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|--------|-----------|---------|----------------------|--------------------|
| 1st    | 322       | 24.52   | 322                  | 24.52              |
| 2nd    | 280       | 21.33   | 602                  | 45.85              |
| 3rd    | 711       | 54.15   | 1313                 | 100.00             |

| Sex    | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
|--------|-----------|---------|----------------------|--------------------|
| female | 462       | 35.19   | 462                  | 35.19              |
| male   | 851       | 64.81   | 1313                 | 100.00             |

## Frequency counts for categorical variables

### The FREQ Procedure

| Survived | Frequency | Percent | Cumulative<br>Frequency | Cumulative<br>Percent |
|----------|-----------|---------|-------------------------|-----------------------|
| 0        | 863       | 65.73   | 863                     | 65.73                 |
| 1        | 450       | 34.27   | 1313                    | 100.00                |

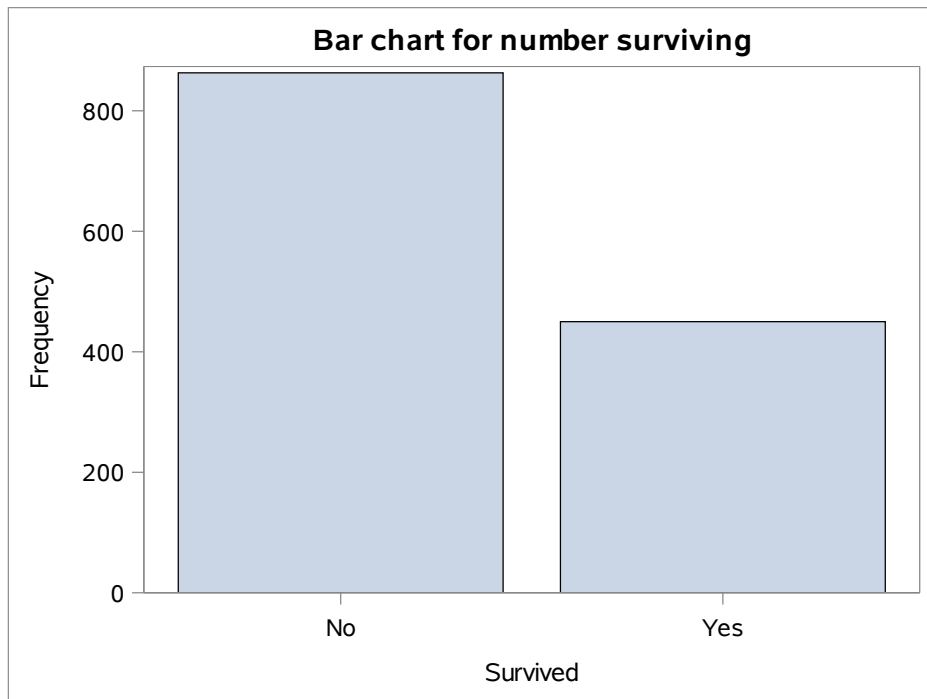
**The MEANS Procedure**

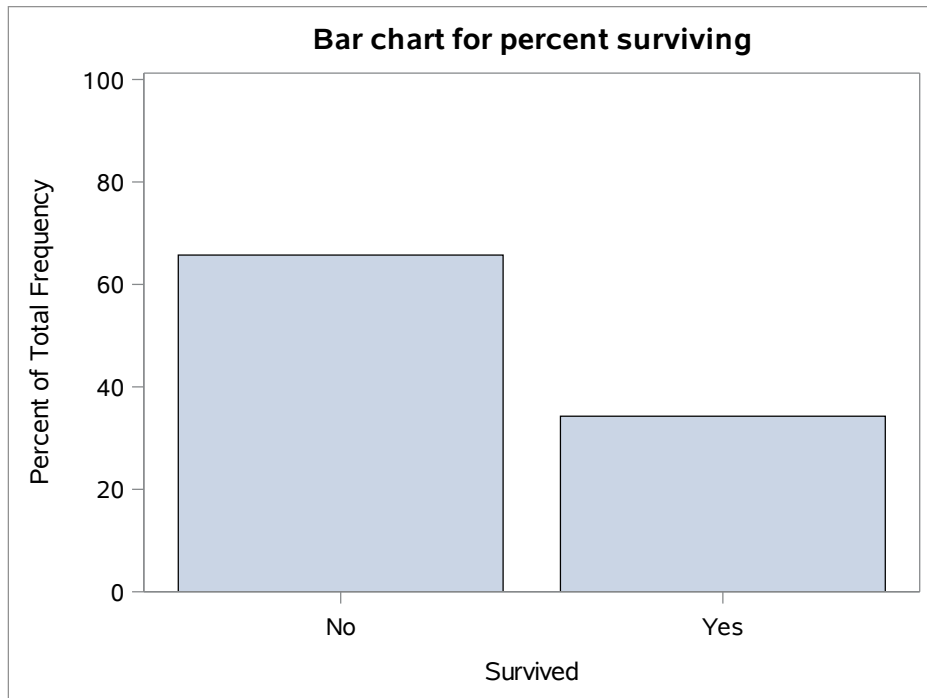
| Analysis Variable : age_c |                   |             |                |                |                |
|---------------------------|-------------------|-------------|----------------|----------------|----------------|
| <b>N</b>                  | <b>N<br/>Miss</b> | <b>Mean</b> | <b>Std Dev</b> | <b>Minimum</b> | <b>Maximum</b> |
| 756                       | 557               | 30.3979894  | 14.2590487     | 0.1700000      | 71.0000000     |

## Frequency counts for survived using labels

### The FREQ Procedure

| Survived | Frequency | Percent | Cumulative<br>Frequency | Cumulative<br>Percent |
|----------|-----------|---------|-------------------------|-----------------------|
| No       | 863       | 65.73   | 863                     | 65.73                 |
| Yes      | 450       | 34.27   | 1313                    | 100.00                |





## The MEANS Procedure

age\_cat=adult

| Analysis<br>Variable : age_c |            |
|------------------------------|------------|
| Minimum                      | Maximum    |
| 21.0000000                   | 71.0000000 |

age\_cat=missing

| Analysis<br>Variable : age_c |         |
|------------------------------|---------|
| Minimum                      | Maximum |
| .                            | .       |



## The MEANS Procedure

age\_cat=pre-teen

| Analysis<br>Variable : age_c |            |
|------------------------------|------------|
| Minimum                      | Maximum    |
| 6.0000000                    | 12.0000000 |

age\_cat=teenager

| Analysis<br>Variable : age_c |            |
|------------------------------|------------|
| Minimum                      | Maximum    |
| 13.0000000                   | 20.0000000 |

# Quality check for conversion

## The MEANS Procedure

age\_cat=toddler

| Analysis<br>Variable : age_c |           |
|------------------------------|-----------|
| Minimum                      | Maximum   |
| 0.1700000                    | 5.0000000 |

## Quality check for conversion Revision to control ordering

### The MEANS Procedure

age\_cat=toddler

| Analysis<br>Variable : age_c |           |
|------------------------------|-----------|
| Minimum                      | Maximum   |
| 0.1700000                    | 5.0000000 |

age\_cat=pre-teen

| Analysis<br>Variable : age_c |            |
|------------------------------|------------|
| Minimum                      | Maximum    |
| 6.0000000                    | 12.0000000 |

## Quality check for conversion Revision to control ordering

### The MEANS Procedure

age\_cat=teenager

| Analysis<br>Variable : age_c |            |
|------------------------------|------------|
| Minimum                      | Maximum    |
| 13.0000000                   | 20.0000000 |

age\_cat=adult

| Analysis<br>Variable : age_c |            |
|------------------------------|------------|
| Minimum                      | Maximum    |
| 21.0000000                   | 71.0000000 |

## Quality check for conversion Revision to control ordering

### The MEANS Procedure

age\_cat=unknown

| Analysis<br>Variable : age_c |         |
|------------------------------|---------|
| Minimum                      | Maximum |
| .                            | .       |

## Quality check for conversion Revision to control ordering

### The FREQ Procedure

| Frequency | Table of PClass by first_class |             |     |       |
|-----------|--------------------------------|-------------|-----|-------|
|           | PClass                         | first_class |     |       |
|           |                                | No          | Yes | Total |
|           | 1st                            | 0           | 322 | 322   |
|           | 2nd                            | 280         | 0   | 280   |
|           | 3rd                            | 711         | 0   | 711   |
|           | Total                          | 991         | 322 | 1313  |