

hm01_ioslides

1. Exploring a dataset

```
## , , Age = Child, Survived = No
```

```
##
```

```
##          Sex
```

```
## Class   Male Female
```

```
##   1st      0      0
```

```
##   2nd      0      0
```

```
##   3rd     35     17
```

```
##   Crew      0      0
```

```
##
```

```
## , , Age = Adult, Survived = No
```

```
##
```

```
##          Sex
```

```
## Class   Male Female
```

```
##   1st    118      4
```

```
##   2nd    154     13
```

```
##   3rd    387     89
```

```
##   Crew   670      3
```

```
##
```

2. Using functions to explore the dataset

```
## [1] 4 2 2 2
```

```
## [1] 4
```

```
## [1] 2
```

```
## 'table' num [1:4, 1:2, 1:2, 1:2] 0 0 35 0 0 0 17 0 118
```

```
## - attr(*, "dimnames")=List of 4
```

```
## ..$ Class : chr [1:4] "1st" "2nd" "3rd" "Crew"
```

```
## ..$ Sex : chr [1:2] "Male" "Female"
```

```
## ..$ Age : chr [1:2] "Child" "Adult"
```

```
## ..$ Survived: chr [1:2] "No" "Yes"
```

```
## Number of cases in table: 2201
```

```
## Number of factors: 4
```

```
## Test for independence of all factors:
```

```
## Chisq = 1637.4, df = 25, p-value = 0
```

```
## Chi-squared approximation may be incorrect
```

```
""
```