Tutorials Of R Using Titanic Data

Josemari Feliciano

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Tutorial Notes:

The Beauty of R Studio is the ability to have notebooks for data analysis. It allows us to run r-code inline. Think of it as a fancy chemistry notebook for data analysis. For this notebook, I will use the titanic data for analysis. This assumes that you have R and RStudio loaded.

We probably want to load the titanic data {r} synthax above indicates that this block can run inline r-code

To see if the inline works, let's add to numbers and see which output is generated after we click on the upper-right play button:

```r
2+2
```

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

```r
load("Titanic.Rdata")
library("mosaic")
```

```r
summary(Titanic)
```

```
##     Gender          Age                                    Name
##  Female:388   Min.   : 0.00   Connolly, Miss. Kate          :    2
##  Male  :657   1st Qu.:21.00   Kelly, Mr. James              :    2
##               Median :28.00   Abbing, Mr. Anthony           :    1
##               Mean   :29.84   Abbott, Master. Eugene Joseph :    1
##               3rd Qu.:39.00   Abbott, Mr. Rossmore Edward   :    1
##               Max.   :80.00   Abbott, Mrs. Stanton (Rosa Hunt):  1
##                               (Other)                       :1037
##       Fare           Class      Survived
##  Min.   :  0.00   Lower :500   No :618
##  1st Qu.:  8.05   Middle:261   Yes:427
##  Median : 15.75   Upper :284
##  Mean   : 36.69
##  3rd Qu.: 35.50
##  Max.   :512.33
##
```

```r
bargraph( ~ Class, data =Titanic)
```