First Data Set

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March 7, 2016

```
library(RCurl)
```

```
## Loading required package: bitops
```

```
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
library(tidyr)
```

```
##
## Attaching package: 'tidyr'

## The following object is masked from 'package:RCurl':
##
##     complete
```

```
library(useful)
```

```
## Loading required package: ggplot2
```

```
URL <- getURL("https://raw.githubusercontent.com/DanielBrooks39/IS607/master/Project%202/Death%20Rate%2
DeathData <- read.csv(text = URL, header = TRUE)
```

```
tbl_df(DeathData)
```

```
## Source: local data frame [88 x 5]
##
##     Year         Ages Both.sexes   Female     Male
##    (int)       (fctr)      (dbl)    (dbl)    (dbl)
## 1   2013      <1 year   0.034922 0.032553 0.037135
## 2   2013    1-4 years   0.003233 0.003312 0.003158
## 3   2013    5-9 years   0.001410 0.001397 0.001422
```

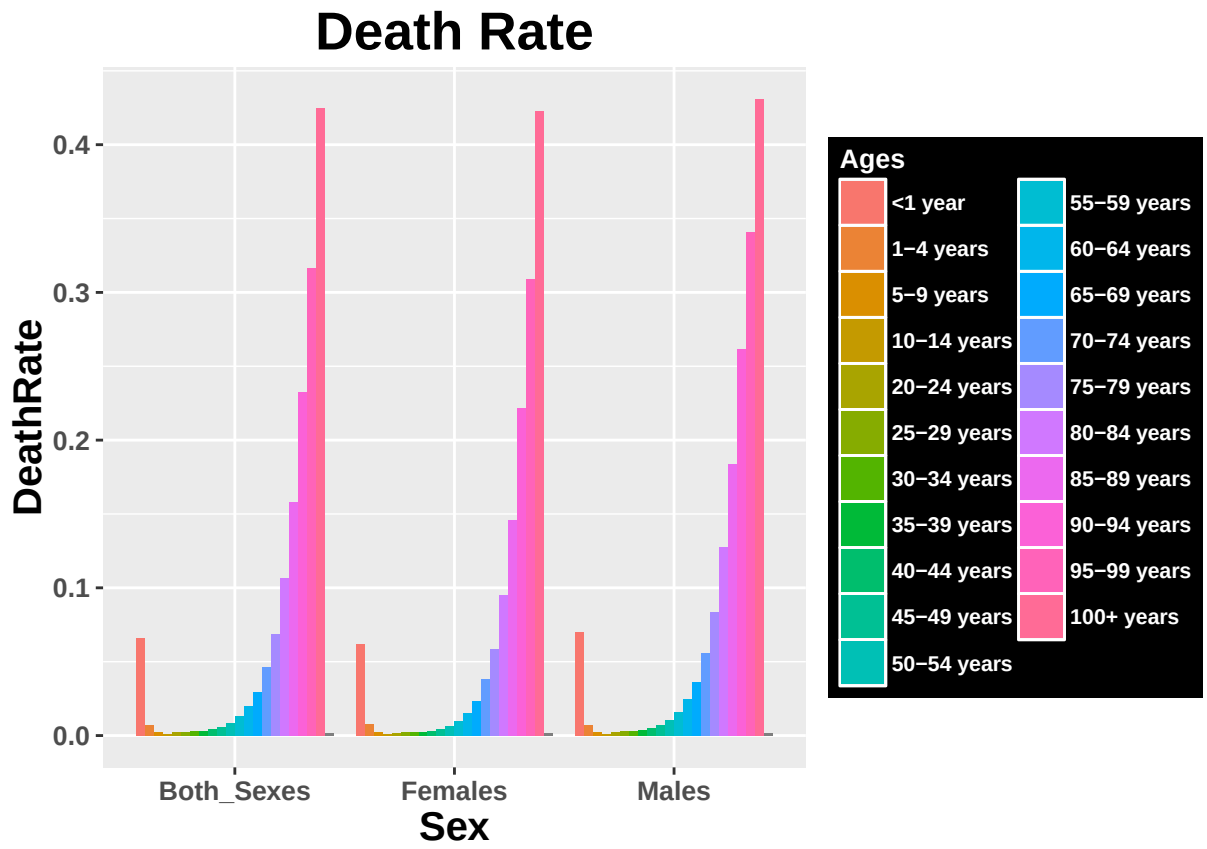
```
## 4   2013  10-14 years   0.000916 0.000894 0.000937
## 5   2013 15-19  years   0.001230 0.001102 0.001351
## 6   2013  20-24 years   0.001563 0.001305 0.001807
## 7   2013  25-29 years   0.001780 0.001490 0.002057
## 8   2013  30-34 years   0.002150 0.001771 0.002517
## 9   2013  35-39 years   0.002631 0.002117 0.003132
## 10  2013  40-44 years   0.003163 0.002478 0.003834
## ..   ...          ...        ...      ...      ...
```

```
names(DeathData) <- c("Year", "Ages", "Both_Sexes", "Females", "Males")
TidyData <- gather(DeathData, "Sex","DeathRate", 3:5)
```

Bar Plot of Death Rates by Sex

```
TidyData$Ages <- factor(TidyData$Ages, levels = c("<1 year", "1-4 years", "5-9 years", "10-14 years", "

ggplot(TidyData, aes(x=Sex, y=DeathRate, fill = Ages)) + geom_bar(stat = "identity", position="dodge") +
```



* This is a bar plot that is separated by sex(Males, Females, Both).