```r
# Code reads Highway1 data set into chunk
Highway1 <- read.csv("Highway1.csv")
# finds the mean for rate of accidents for million vehicle miles
mean(Highway1$rate)
```

```
## [1] 3.933333
```

```r
# finds the median for rate of accidents for million vehicle miles
median(Highway1$rate)
```

```
## [1] 3.05
```

```r
# finds the standard deviation for rate of accidents for million vehicle miles
sd(Highway1$rate)
```
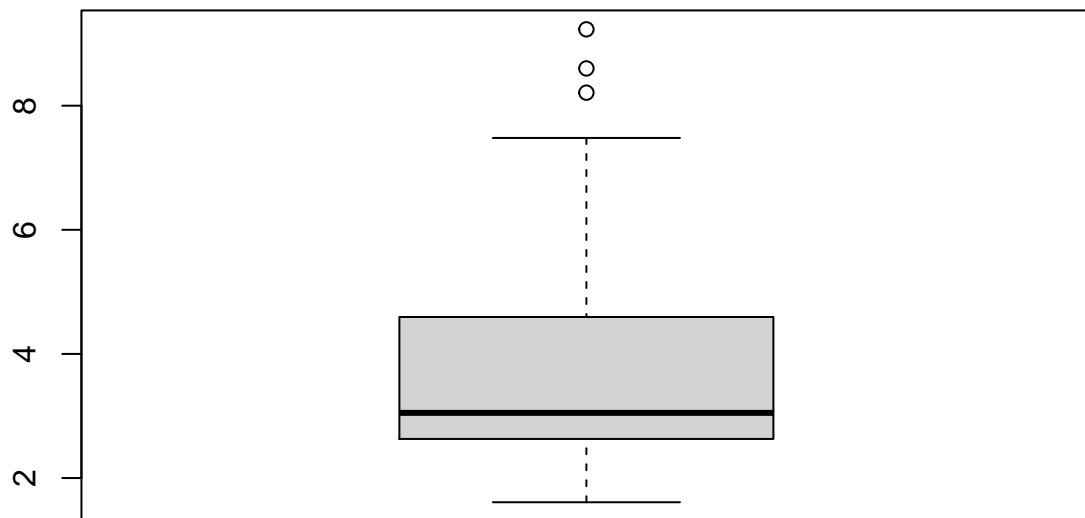
```
## [1] 1.986044
```

```r
# gives the summary for rate of accidents for million vehicle miles
summary(Highway1$rate)
```

```
##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##   1.610   2.630   3.050   3.933   4.595   9.230
```

```r
#gives the frequency of the different types of highway accidents in the data set
table(Highway1$htype)
```

```
##
## FAI  MA  MC  PA
##   5  13   2  19
```

```r
# gives a boxplot of the rate of highway accidents
boxplot(Highway1$rate)
```

```r
# plots each data point along the x axis and the rate of accidents along the y axis
plot(Highway1$X,Highway1$rate)
```