Using Sweave

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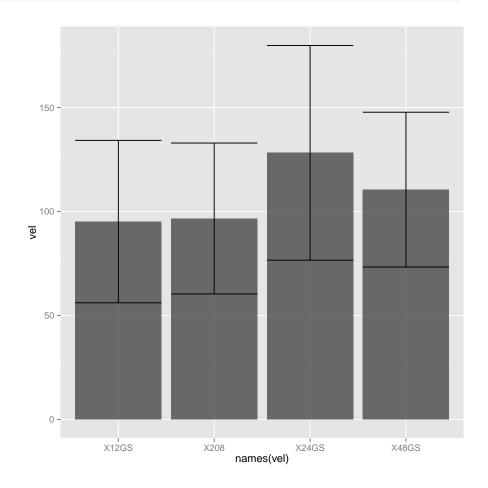
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1 Reading in data

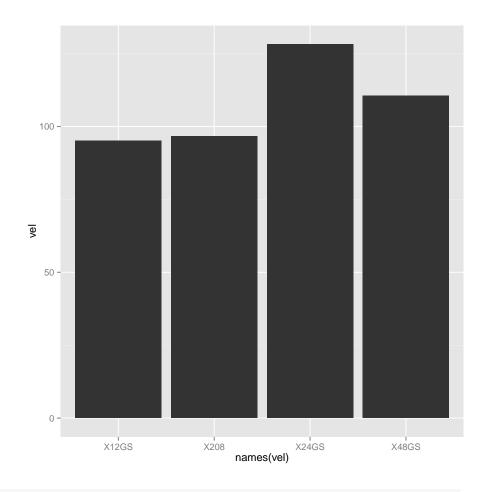
```
data <- read.csv("../input/speeds.csv")</pre>
summary(data)
                                                        X48GS
##
        X208
                       X12GS
                                       X24GS
##
         : 12.1
                   Min.
                          : 24.0
                                  Min.
                                         : 8.92
                                                   Min.
                                                          : 10.3
   1st Qu.: 74.5
                   1st Qu.: 69.0
                                  1st Qu.:101.27
                                                    1st Qu.: 90.5
  Median: 94.8
                  Median: 92.1 Median: 129.30
                                                    Median :107.5
   Mean : 96.6
                   Mean : 95.1
                                   Mean
                                          :128.21
                                                    Mean
                                                           :110.5
   3rd Qu.:118.5
                   3rd Qu.:122.1
                                   3rd Qu.:157.29
                                                    3rd Qu.:131.9
   Max. :186.7
##
                   Max.
                          :211.5
                                   Max.
                                          :258.60
                                                   Max.
                                                          :232.7
##
                   NA's
                          :17
                                   NA's
                                          :154
                                                   NA's
                                                           :171
t.test(data$X24GS, data$X208)
##
##
   Welch Two Sample t-test
##
## data: data$X24GS and data$X208
## t = 6.209, df = 182.7, p-value = 3.49e-09
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
  21.55 41.61
## sample estimates:
## mean of x mean of y
   128.21 96.63
```

2 Plotting

```
library(ggplot2)
ggplot() + geom_bar(aes(x = names(vel), y = vel), stat = "identity", alpha = 0.7) +
    geom_errorbar(aes(x = names(vel), ymax = vel + sd, ymin = vel - sd))
```



qplot(names(vel), vel, geom = "bar", stat = "identity")



ggplot(data = data) + geom_histogram(aes(x = data\$X208))
stat_bin: binwidth defaulted to range/30. Use 'binwidth = x' to
adjust this.

