

Untitled

Steve

November 3, 2014

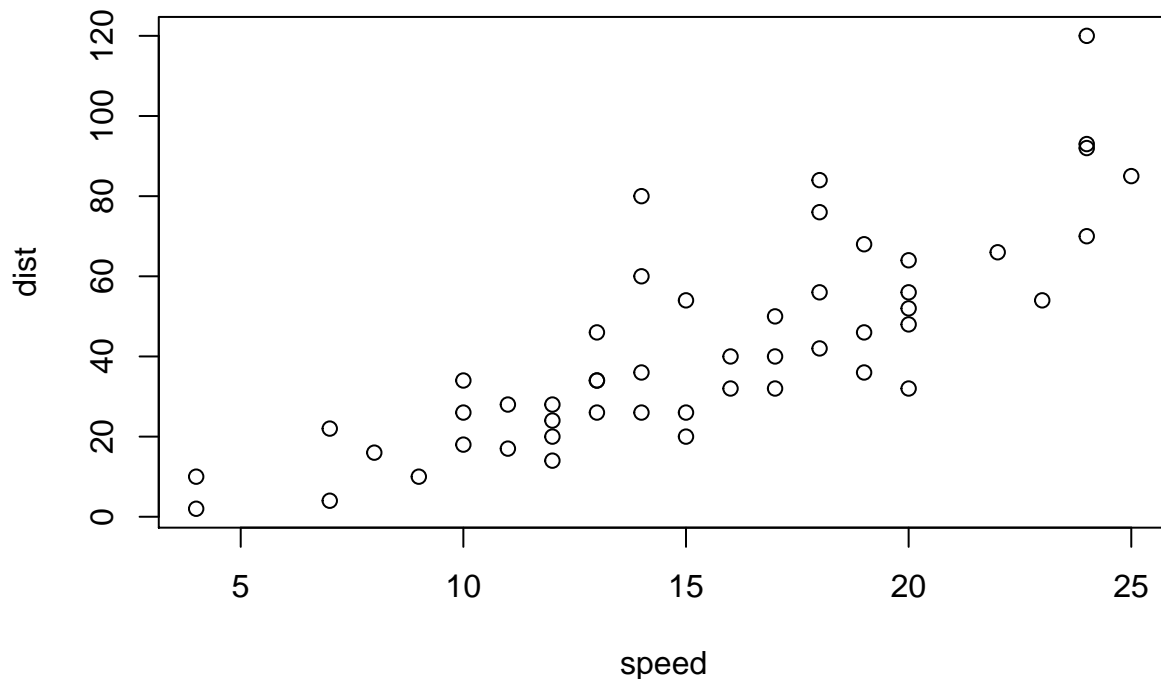
This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   :  2
##  1st Qu.:12.0    1st Qu.: 26
##  Median :15.0    Median : 36
##  Mean   :15.4    Mean   : 43
##  3rd Qu.:19.0    3rd Qu.: 56
##  Max.   :25.0    Max.   :120
```

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

We can also create inline equations. The arithmetic mean is equal to $\frac{1}{n} \sum_{i=1}^n x_i$, or the summation of n numbers divided by n .

With respect to the data frame **mpg** the average City MPG is 16.86, the average Highway mpg is 23.4402