hw2

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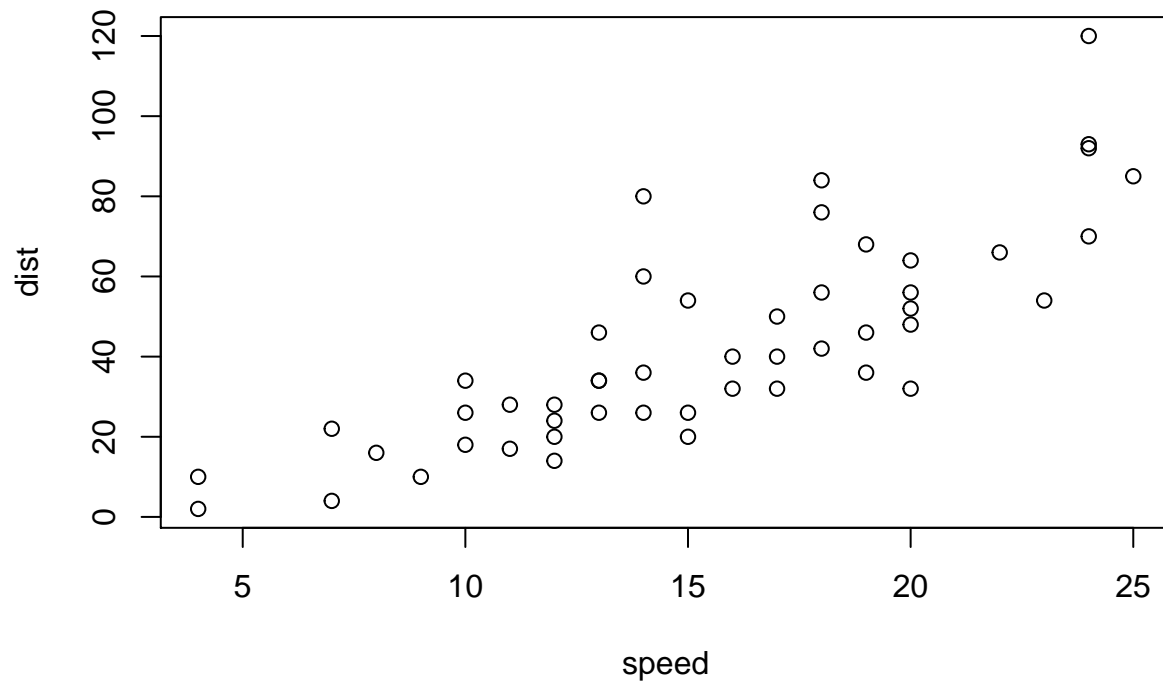*October 9, 2015*

Load Libraries

```
library(data.table)
library(ggplot2)
library(kknn)
```

Import the Used Car data

```
# download data and read data into data.table format
used_cars <- fread(
  'https://raw.githubusercontent.com/ChicagoBoothML/DATA___UsedCars/master/UsedCars_small.csv')
# count number of samples
nb_samples <- nrow(used_cars)
# sort data set by increasing mileage
setkey(used_cars, mileage)
used_cars
```

```
##        price  trim isOneOwner mileage year   color displacement
##    1: 75900 other          f    1997 2013   Black        other
##    2: 68995   550          f    2325 2012 Silver          4.6
##    3: 65995 other          f    2714 2013   Black        other
##    4: 78743   550          t    3779 2013   White          4.6
##    5: 73995 other          f    4171 2010   other          5.5
##   ---
##  996:  2100 other          f  230985 1995   White        other
##  997:  2900   430          f  231760 2001   other        other
##  998:  7500   430          f  241010 2006   Black        other
##  999:  4995   430          f  252559 2002 Silver        other
## 1000:  2700 other          f  255419 1998   Black        other
```

You can also embed plots, for example:

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