

A Notebook for Data Methods Class Fall '22 (importing a file)

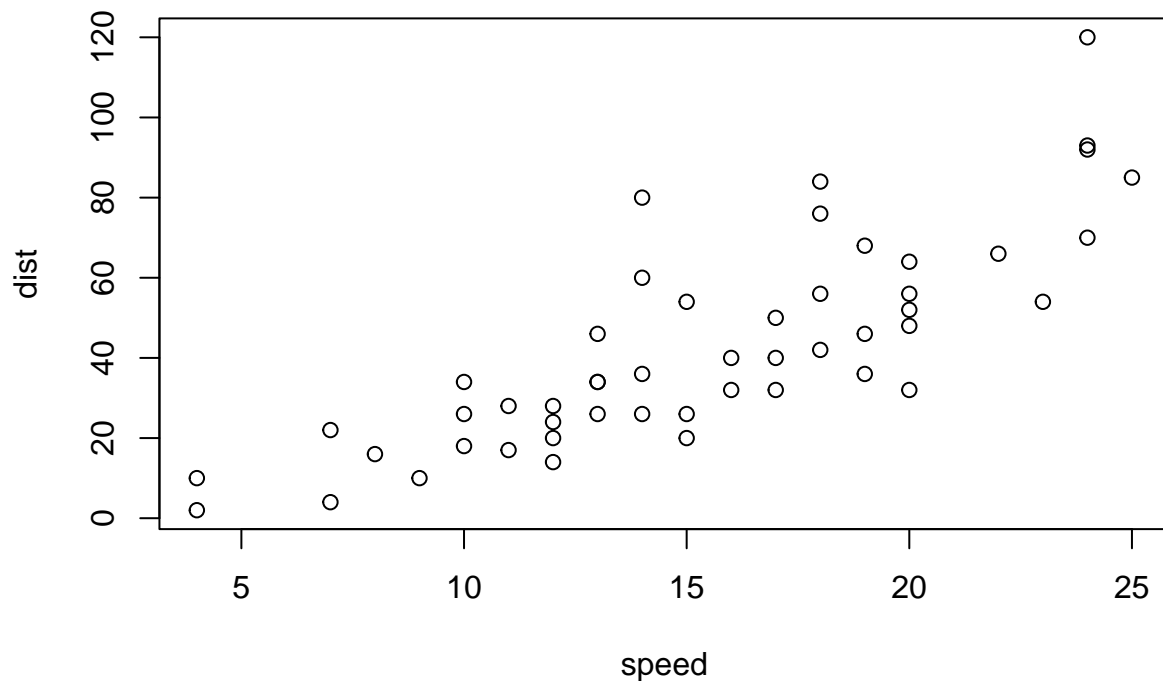
This is an R Markdown Notebook. When you execute code within the notebook, the results appear beneath the code.

```
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.3.6      v purrr  0.3.4
## v tibble  3.1.8      v dplyr  1.0.9
## v tidyr   1.2.0      v stringr 1.4.1
## v readr   2.1.2      v forcats 0.5.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

Try executing this chunk by clicking the *Run* button within the chunk or by placing your cursor inside it and pressing *Ctrl+Shift+Enter*.

```
plot(cars)
```



Add a new chunk by clicking the *Insert Chunk* button on the toolbar or by pressing *Ctrl+Alt+I*.

When you save the notebook, an HTML file containing the code and output will be saved alongside it (click the *Preview* button or press *Ctrl+Shift+K* to preview the HTML file).

The preview shows you a rendered HTML copy of the contents of the editor. Consequently, unlike *Knit*, *Preview* does not run any R code chunks. Instead, the output of the chunk when it was last run in the editor is displayed.

```
gss <- read_csv("gss2014.csv")

## Rows: 2538 Columns: 4
## -- Column specification -----
## Delimiter: ","
## chr (1): zodiac
## dbl (3): age, year, childs
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
head(gss)

## # A tibble: 6 x 4
##   age  year childs zodiac
##   <dbl> <dbl> <dbl> <chr>
## 1   53  2014     0 virgo
## 2   26  2014     0 virgo
## 3   59  2014     1 gemini
## 4   56  2014     2 scorpio
## 5   74  2014     3 sagittarius
## 6   56  2014     1 scorpio

class(gss$age)

## [1] "numeric"

class(gss$year)

## [1] "numeric"

class(gss$childs)

## [1] "numeric"

class(gss$zodiac)

## [1] "character"

gss$can_drink <- if_else(gss$age >= 21, 1, 0)
gss

## # A tibble: 2,538 x 5
##   age  year childs zodiac  can_drink
##   <dbl> <dbl> <dbl> <chr>    <dbl>
## 1   53  2014     0 virgo      1
## 2   26  2014     0 virgo      1
## 3   59  2014     1 gemini      1
## 4   56  2014     2 scorpio     1
## 5   74  2014     3 sagittarius  1
## 6   56  2014     1 scorpio     1
## 7   63  2014     2 <NA>      1
## 8   34  2014     2 virgo      1
```

```
## 9    37  2014    4 virgo      1
## 10   30  2014    3 sagittarius 1
## # ... with 2,528 more rows
```