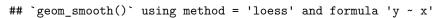
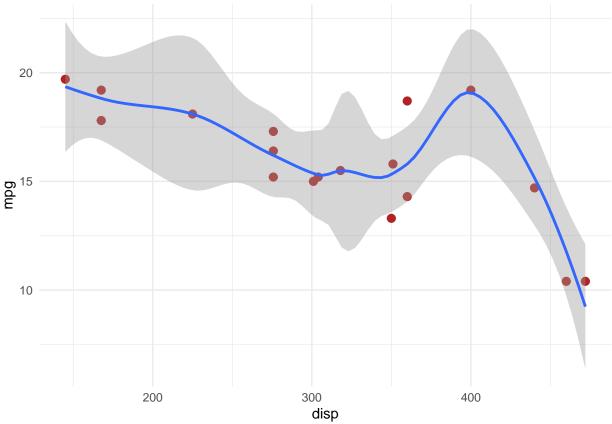
Cars1

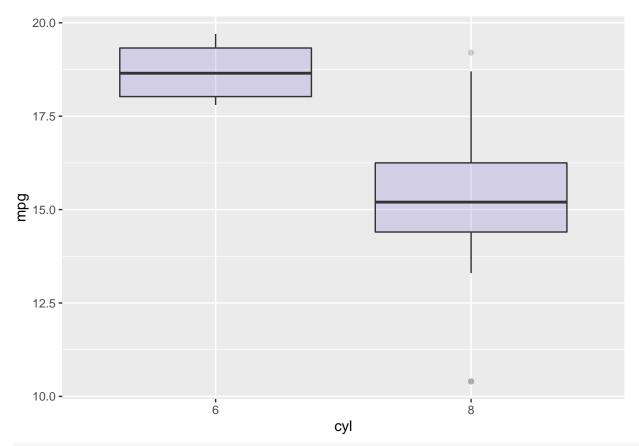
```
library(tidyverse)
## -- Attaching packages -----
                                               ----- tidyverse 1.3.1 --
## v ggplot2 3.3.5
                     v purrr
                                0.3.4
                                1.0.7
## v tibble 3.1.4
                      v dplyr
## v tidyr
           1.1.3
                      v stringr 1.4.0
            2.0.1
## v readr
                     v forcats 0.5.1
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                   masks stats::lag()
# call built-in data mtcars.
data(mtcars)
# Select only car models where mpg<20
mtcars_mpg2 <- mtcars[mtcars$mpg < 20,]</pre>
# Reduce the variables to mpg, cyl, disp, hp, gears
mtcars_mpg2 <- mtcars_mpg2[, c(1,2,3,4,10)]
# read the R file hand_functions.R so that it can be used
# notice that with echo = TRUE
source(file = "hand_functions.R", echo = TRUE)
##
## > sum_special <- function(df_x) {</pre>
        try(if (!is.data.frame(df_x))
## +
            stop("Input data must be a data frame."))
## +
        sp_means <- apply(df_ .... [TRUNCATED]</pre>
# Now use the function from hand_functions.R
sp_out <- sum_special(mtcars_mpg2)</pre>
# library(esquisse)
# esquisser(data = mtcars_mpg2, viewer = "browser")
ggplot(mtcars_mpg2) +
 aes(x = disp, y = mpg) +
 geom_point(shape = "bullet", size = 4L, colour = "#B22222") +
 geom_smooth(span = 0.5) +
 theme_minimal()
```





```
# note that this boxplot cannot be made with esquisse() unless
# the data is adjusted. What adjustment is needed?

ggplot(mtcars_mpg2, aes(x=as.factor(cyl), y=mpg)) +
  geom_boxplot(fill="slateblue", alpha=0.2) +
  xlab("cyl")
```



#This is the document that I will try to upload to github.