

WorkFlow Basics

Gabriel Montes

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1. Why does this code not work?

```
my_variable <- 10
my_variable
```

```
## [1] 10
```

```
#> Error: object 'my_variable' not found
```

make sure the variable names are the same

2. Tweak each of the following R commands so that they run correctly:

```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr   1.5.1
## v ggplot2    3.5.2      v tibble    3.3.0
## v lubridate  1.9.4      v tidyr     1.3.1
## v purrr      1.0.4
```

```
## -- Conflicts ----- tidyverse_conflicts() --
```

```
## x dplyr::filter() masks stats::filter()
```

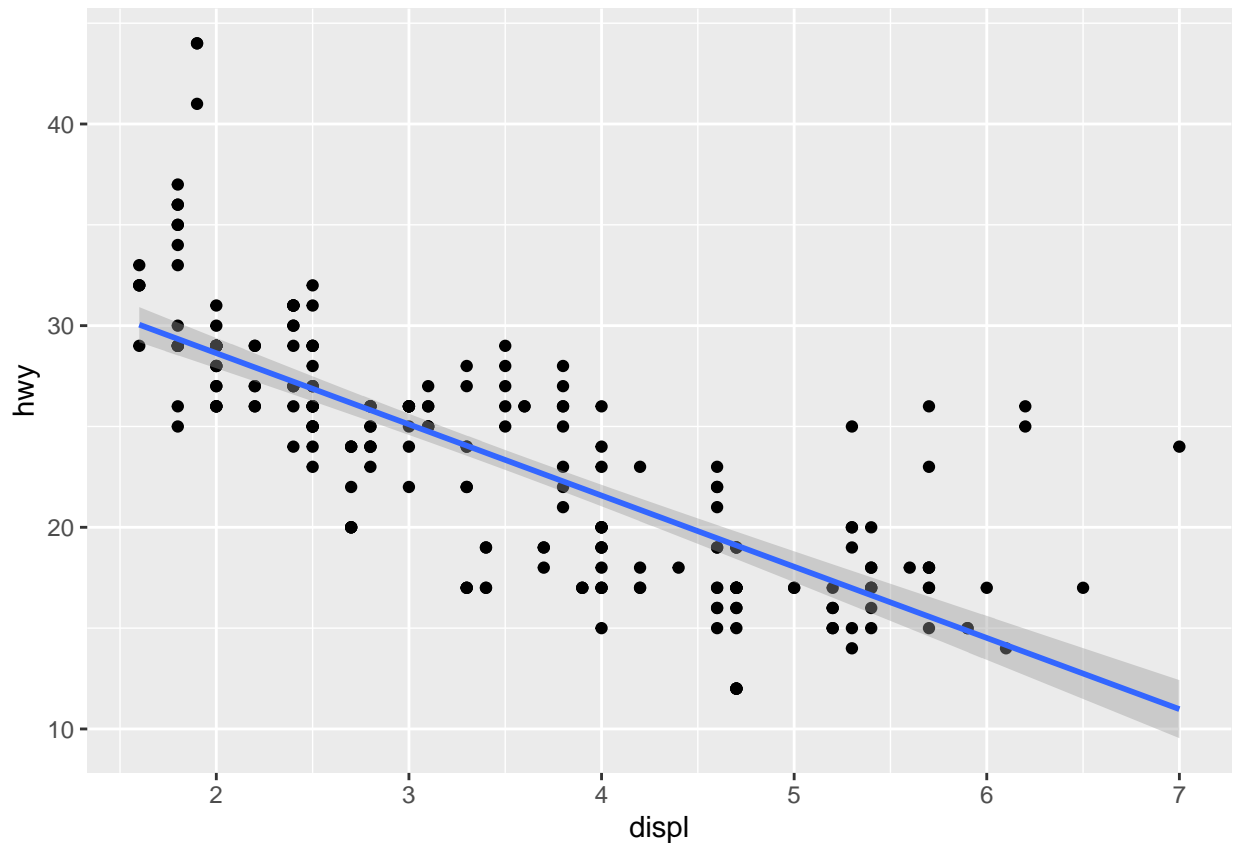
```
## x dplyr::lag()     masks stats::lag()
```

```
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(ggplot2)
```

```
ggplot(data = mpg) +
  geom_point(mapping = aes(x = displ, y = hwy)) +
  geom_smooth(mapping = aes(x = displ, y = hwy), method = "lm")
```

```
## `geom_smooth()` using formula = 'y ~ x'
```



3. Press Option + Shift + K / Alt + Shift + K. What happens? How can you get to the same place using the menus?

opens the rstudio commands shortcuts

4. Let's revisit an exercise from the Section 1.6. Run the following lines of code. Which of the two plots is saved as mpg-plot.png? Why?

```
my_bar_plot <- ggplot(mpg, aes(x = class)) +  
  geom_bar()  
my_scatter_plot <- ggplot(mpg, aes(x = cty, y = hwy)) +  
  geom_point()  
ggsave(filename = "mpg-plot.png", plot = my_bar_plot)
```

Saving 6.5 x 4.5 in image

the first graph was saved since we saved it to a variable and specified in ggsave which to save