

# R-tistic

## Introduction to R and RStudio

Lars Schoebitz

**r-tistic@lse.de**

March 14, 2017

# Getting started

---

## Download and install R

- Go to <http://www.r-project.org>
- Download R for your operating system
- Install R
- Yes, even if you have already done that before

# Getting started

---

## Download and install RStudio

- Go to <https://www.rstudio.com>
- Download RStudio for your operating system
- Install RStudio
- Again, yes, even if you have already done that before

# Getting started

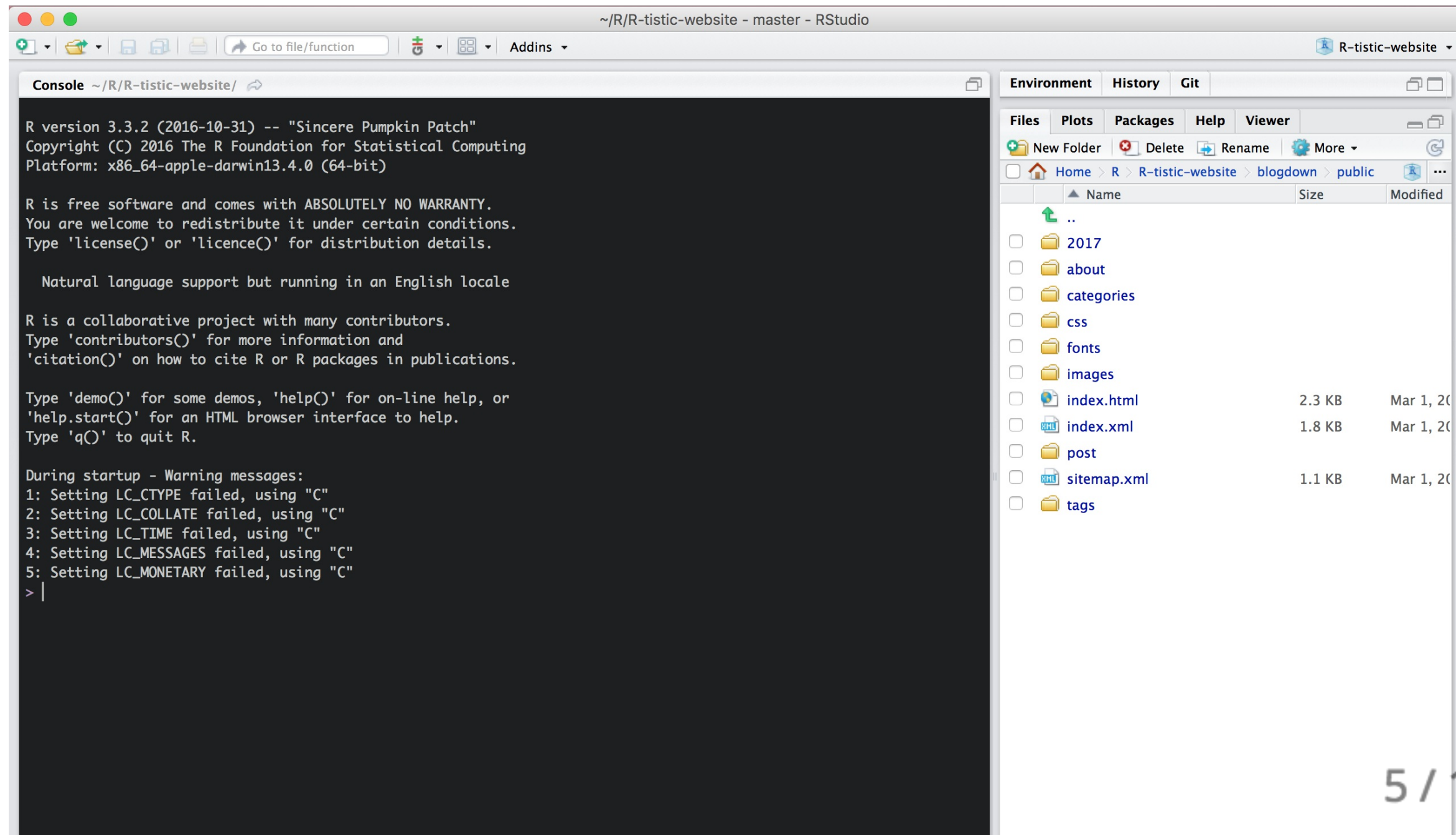
---

## Open RStudio

- open RStudio

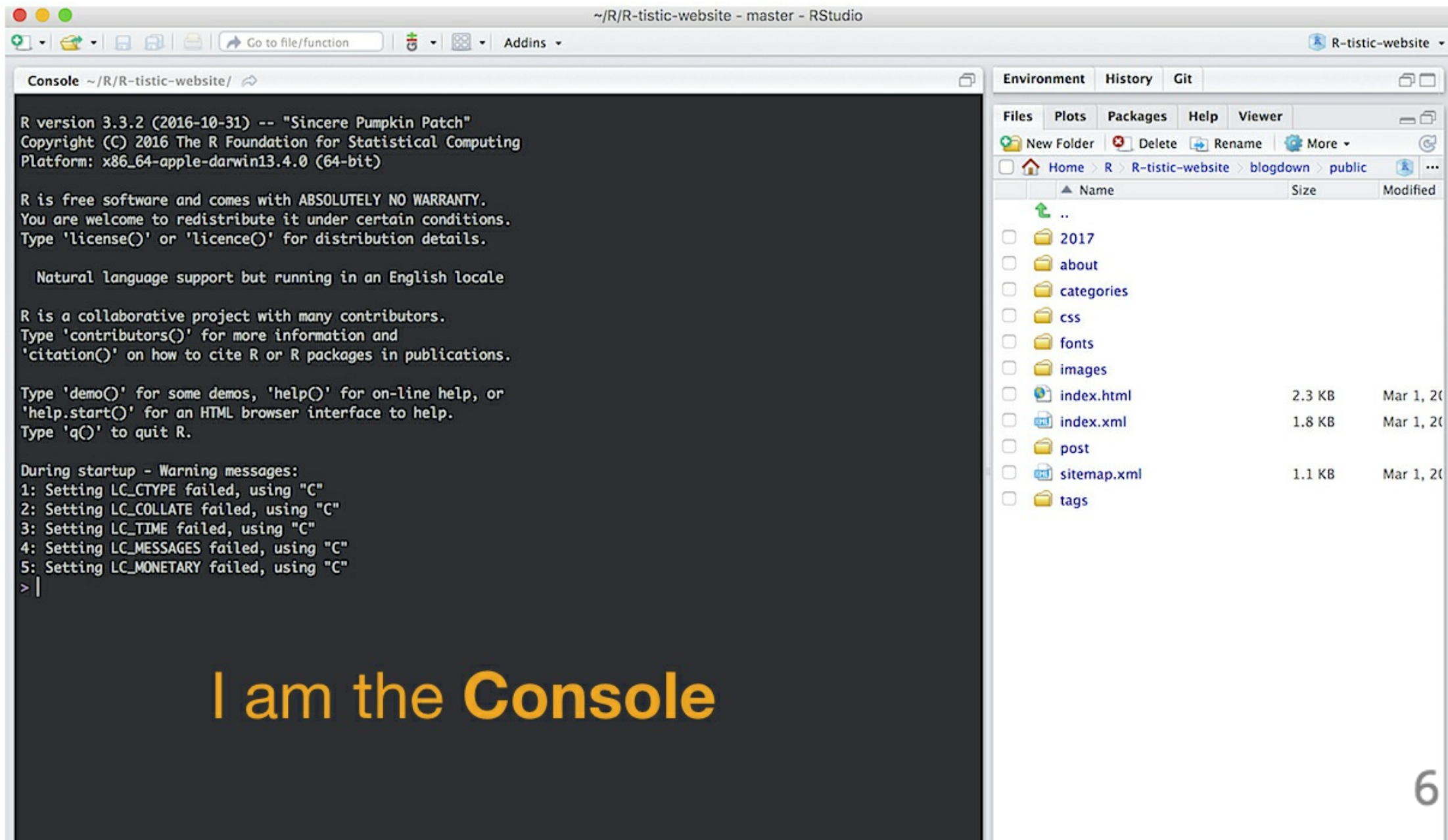
# Getting started

## Open RStudio



# Getting started

## Find the Console



I am the Console

# Getting started

---

## Write your first line of code

- type `print("hello world")` into the **Console** and hit ↵

# Getting started

---

## Write your first line of code

- type `print("hello world")` into the **Console** and hit ↵

```
print("hello world")
```

```
## [1] "hello world"
```



# Getting started

---

## Write your first line of code

- type `print("hello world")` into the **Console** and hit ↵

```
print("hello world")
```

```
## [1] "hello world"
```

Congrats! You have just written your first R code.

# Getting started

---

## Install packages

- type `install.packages("tidyverse")` into the **Console**
  - this installs the R packages: `ggplot2`, `tibble`, `tidyr`, `readr`, `purrr` and `dplyr`
- type `library(tidyverse)` into the **Console** and hit ↵

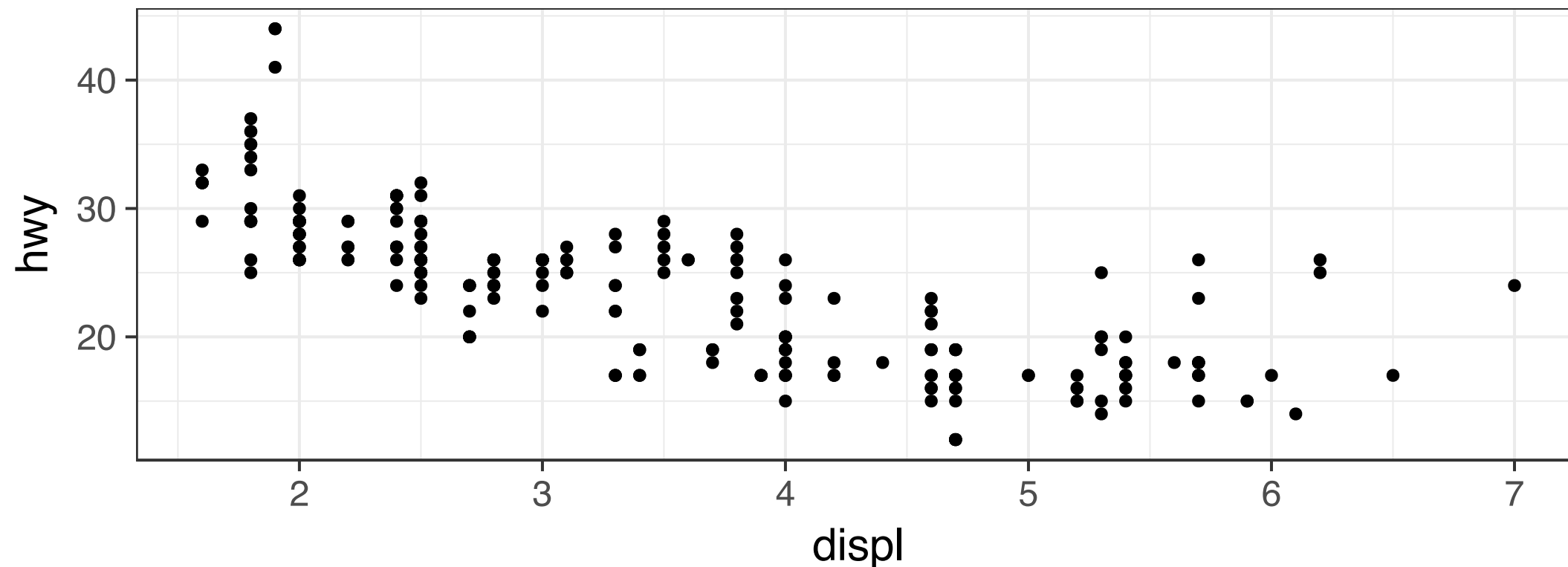
```
library(tidyverse)
```

# Getting started

## Plot a graph

- type the code below into the console and hit ↵

```
ggplot(mpg, aes(x = displ, y = hwy)) +  
  geom_point() +  
  theme_bw(base_size = 16)
```



# Troubleshooting

---

## Write me an email

If you had trouble with any of the previous tasks, please write an email to: **r-tistic@lse.de**

Otherwise, see you at the class on Thursday at Eawag (Room Aqualino) on 16.03.2017 at 01:30 pm.

