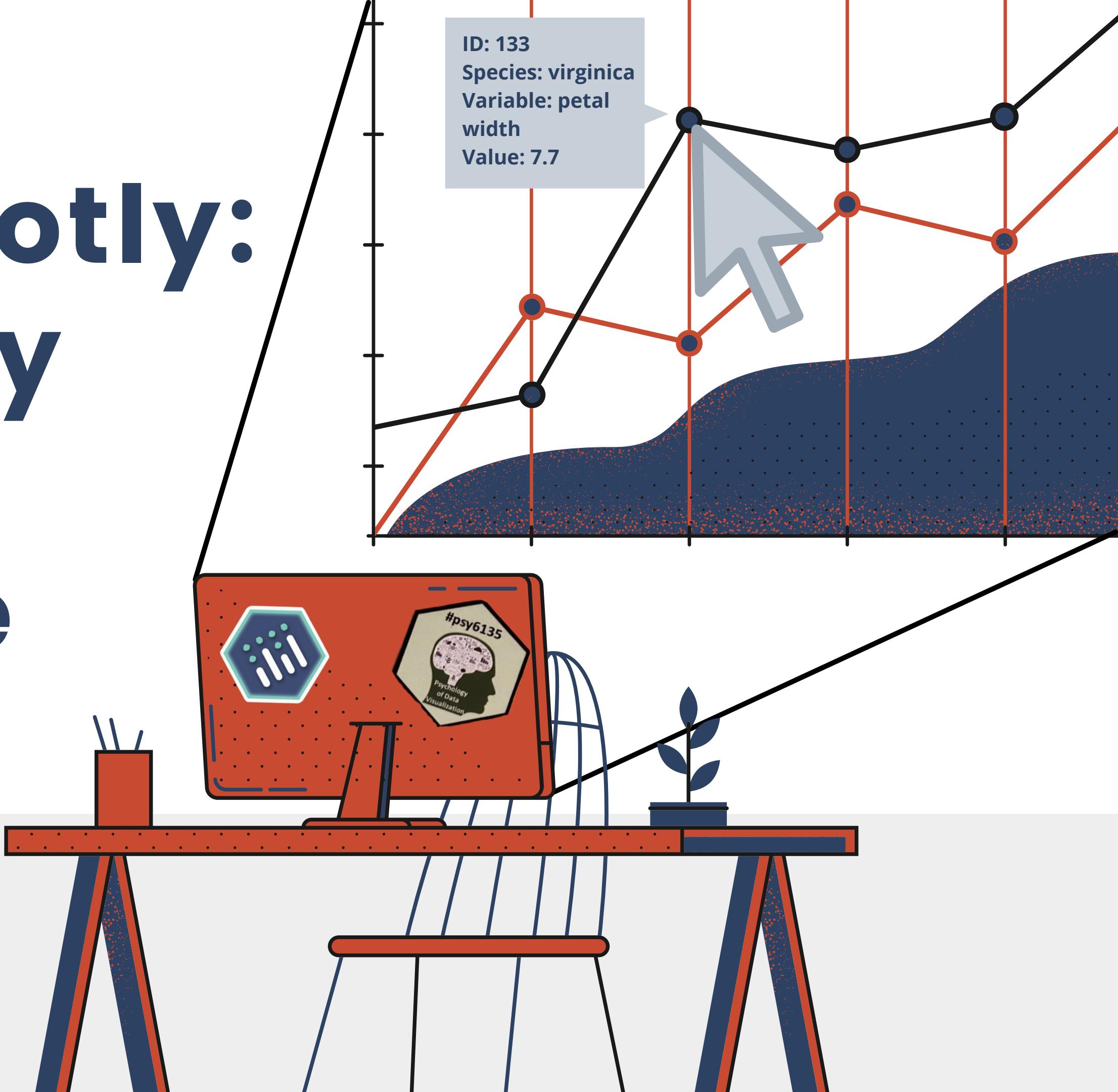


15 March, 2020

# plotly & ggplotly: Going slightly beyond the tidyverse



UDI ALTER  
Discussion leader,  
mini presentation

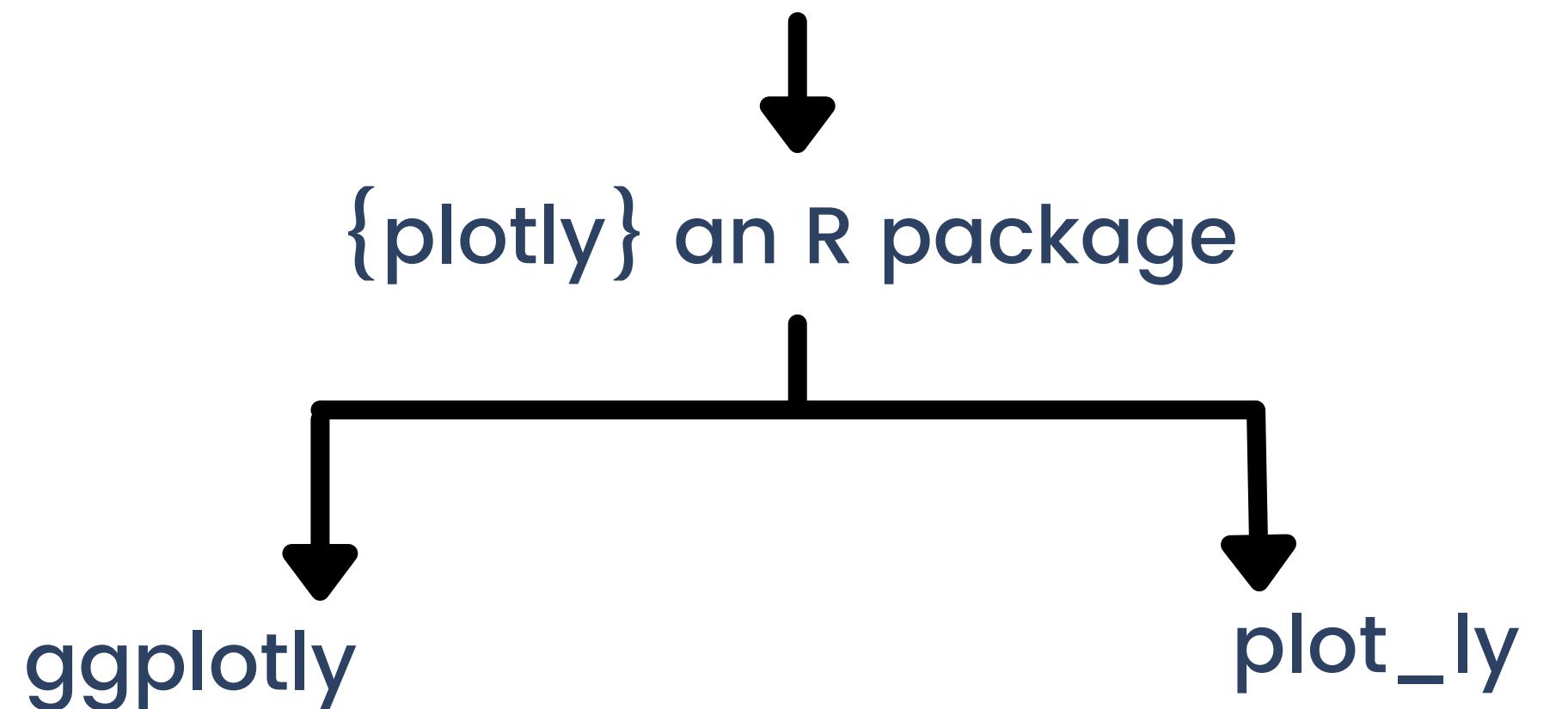


# I Plotly? What's Plotly?



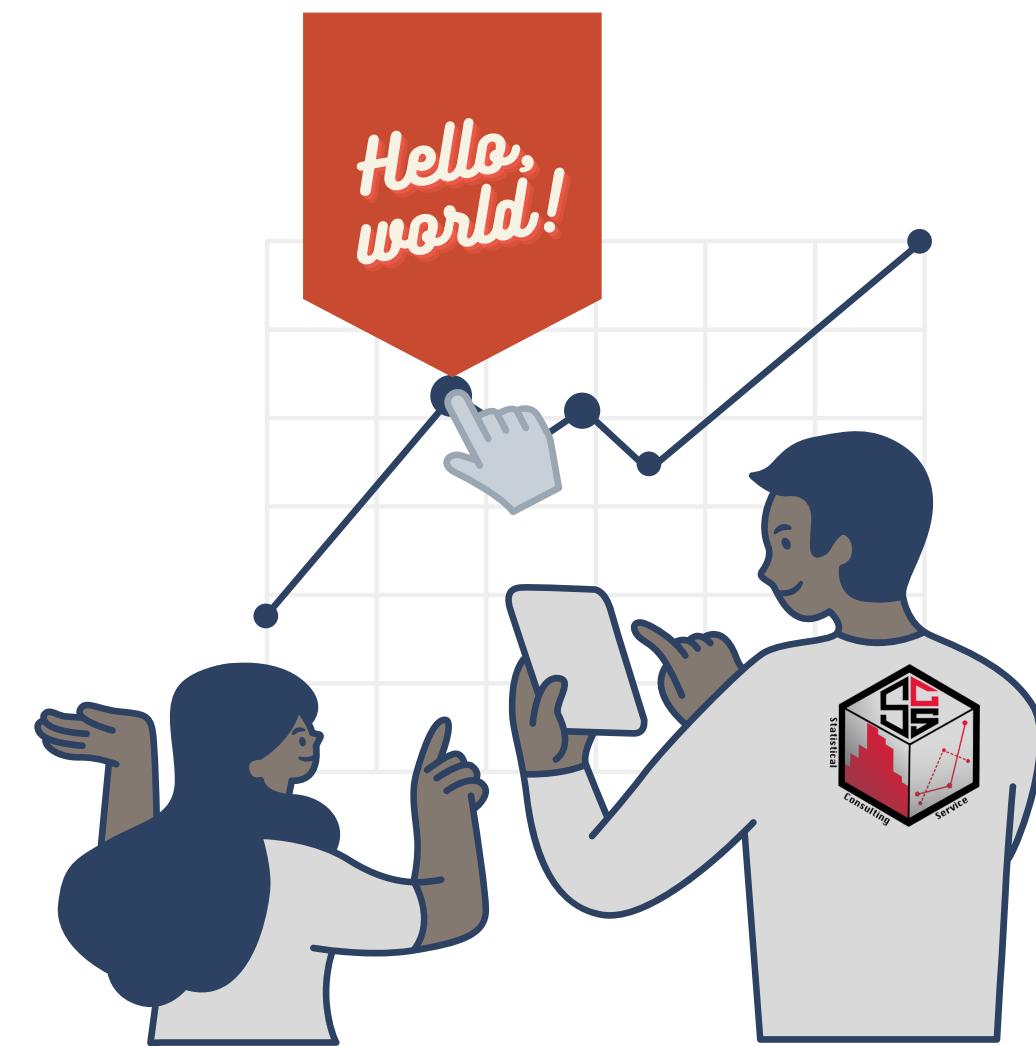
## Plotly

Plotly are open source graphing libraries for interactive charts and maps to use in R, Python, Javascript, and more...

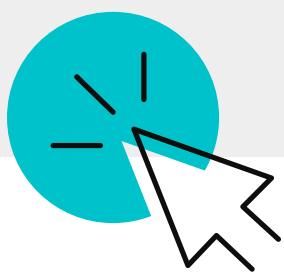


With `ggplotly()`, you can convert your ggplot2 figures into interactive ones powered by plotly.js, ready for embedding into an a dashboard, a Shiny app, HTML, or websites.

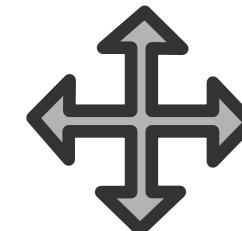
With `plot_ly()`, you can create your own graph (from scratch), without relying on ggplot2 using easy, yet unique syntax.



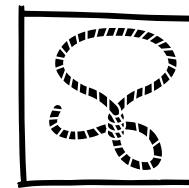
## Interactive how?



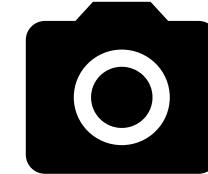
zoom in/out



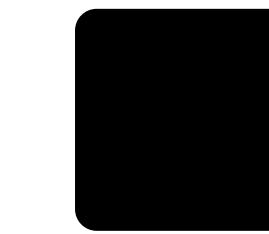
pan over/move



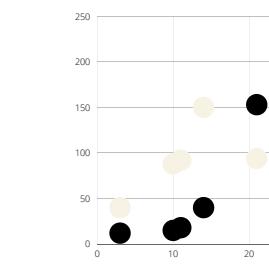
focus only on certain areas



download image as .png file



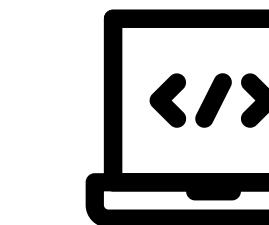
hover to get info on individual data points



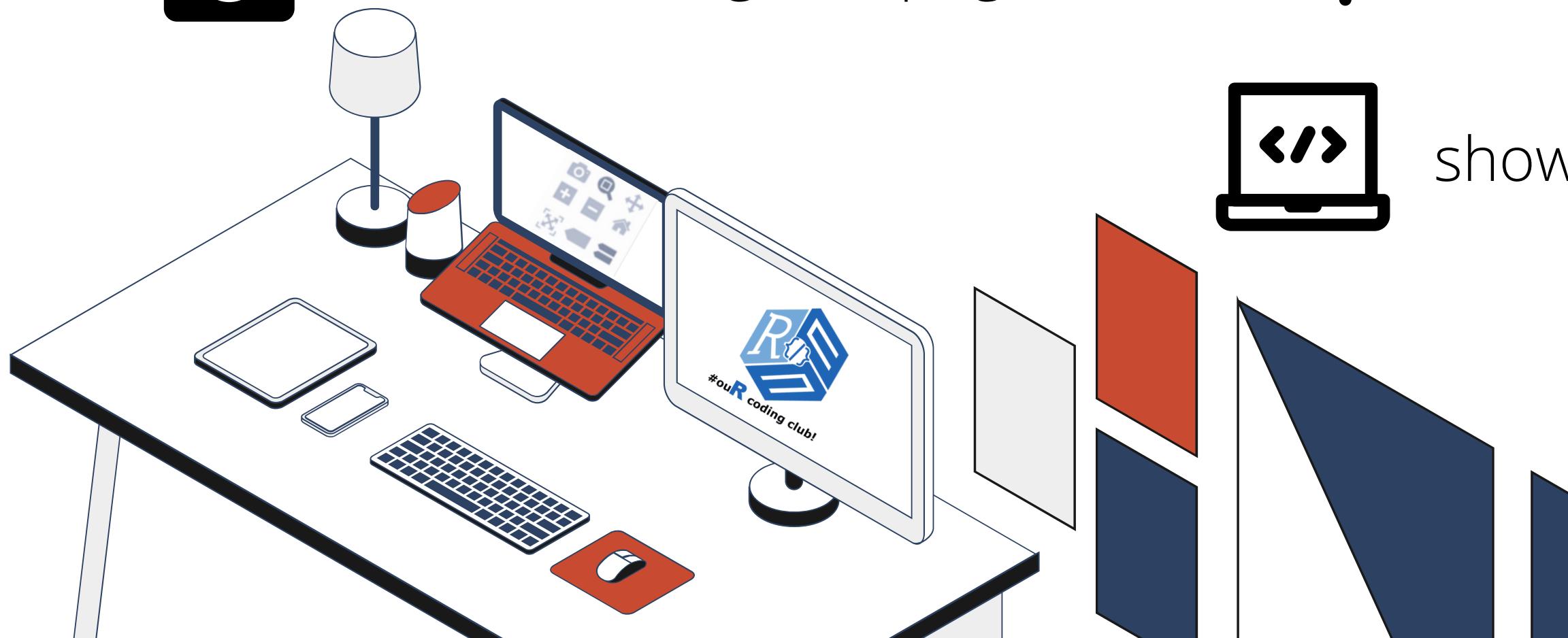
de/selecting grouping variables



show coordinate lines



show source code



& more...

### III Installation & Initialization

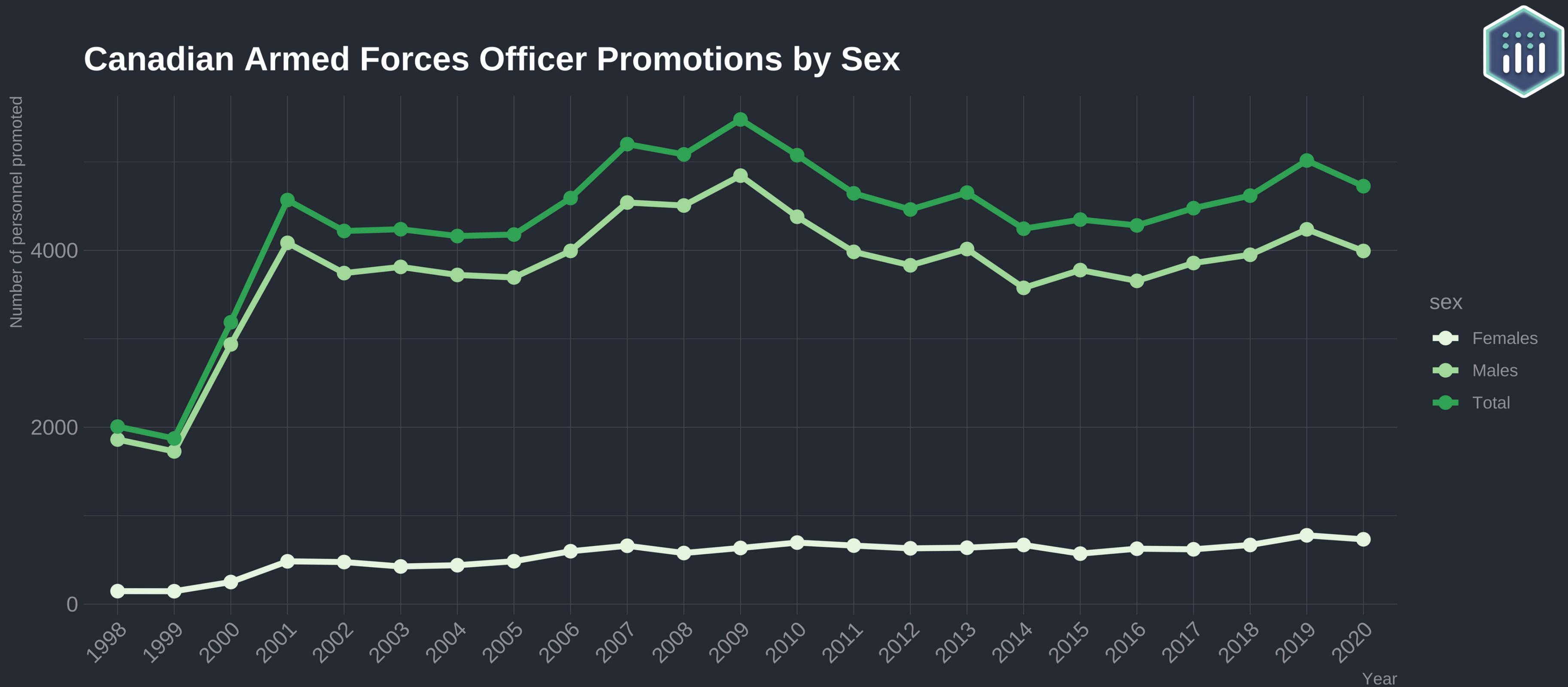
```
#' # Installation  
1 install.packages("plotly")  
#' Or install the latest development version (on GitHub)  
#' via devtools:  
2 devtools::install_github("ropensci/plotly")  
#' make sure you already have ggplot2 installed
```

```
#' # Initialization
```

```
3 library(plotly) #call on the plotly package  
4 library(ggplot2) #call on the ggplot2 package  
5 library(htmlwidgets) #optional, helpful package
```

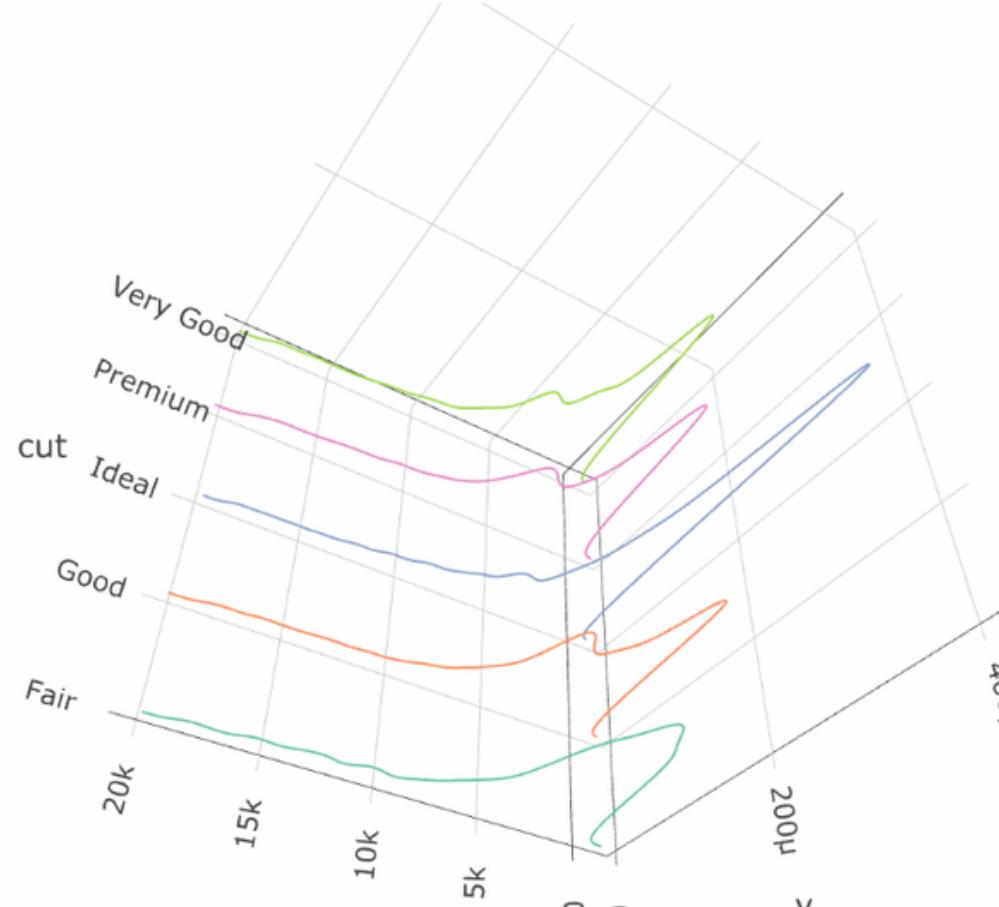
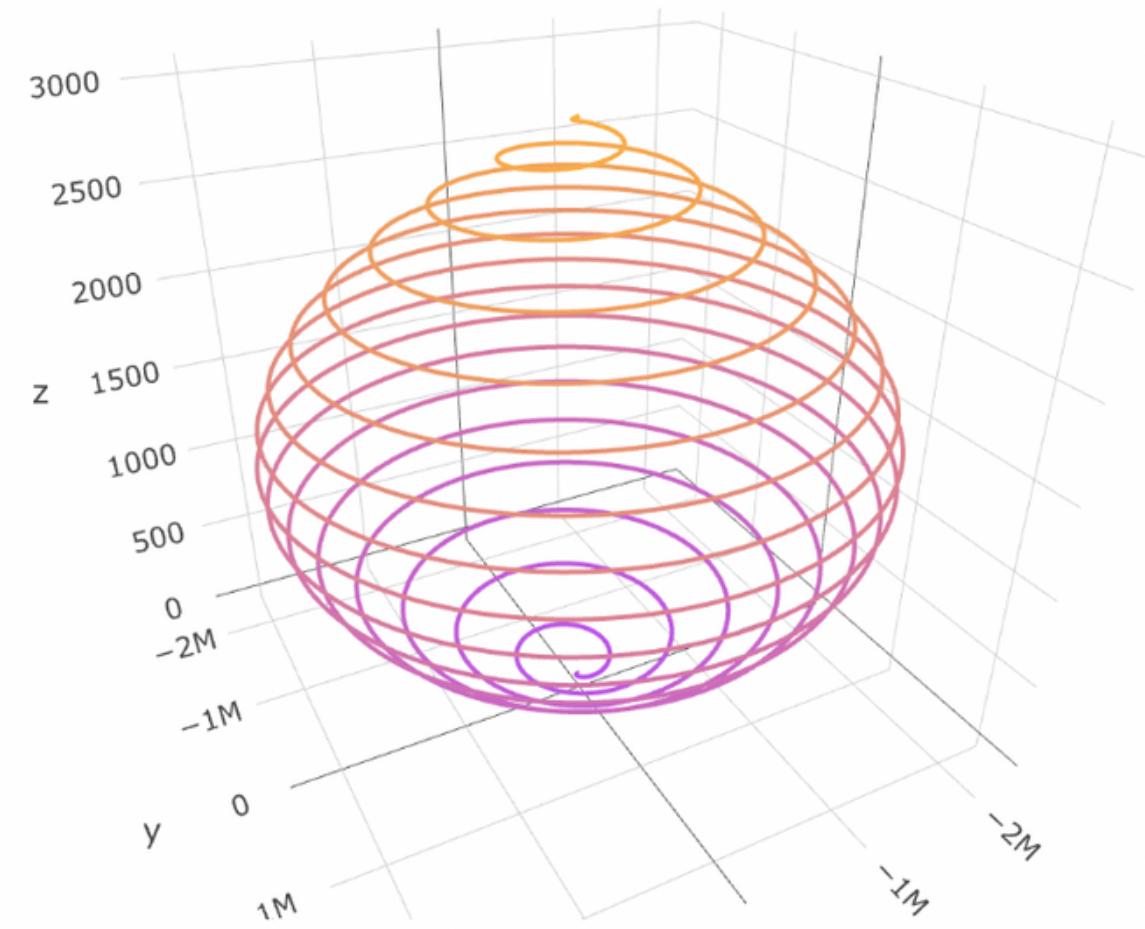


## ggplot2-generated plot

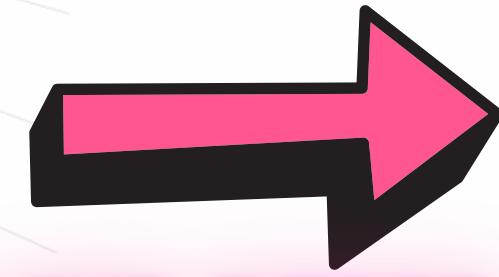
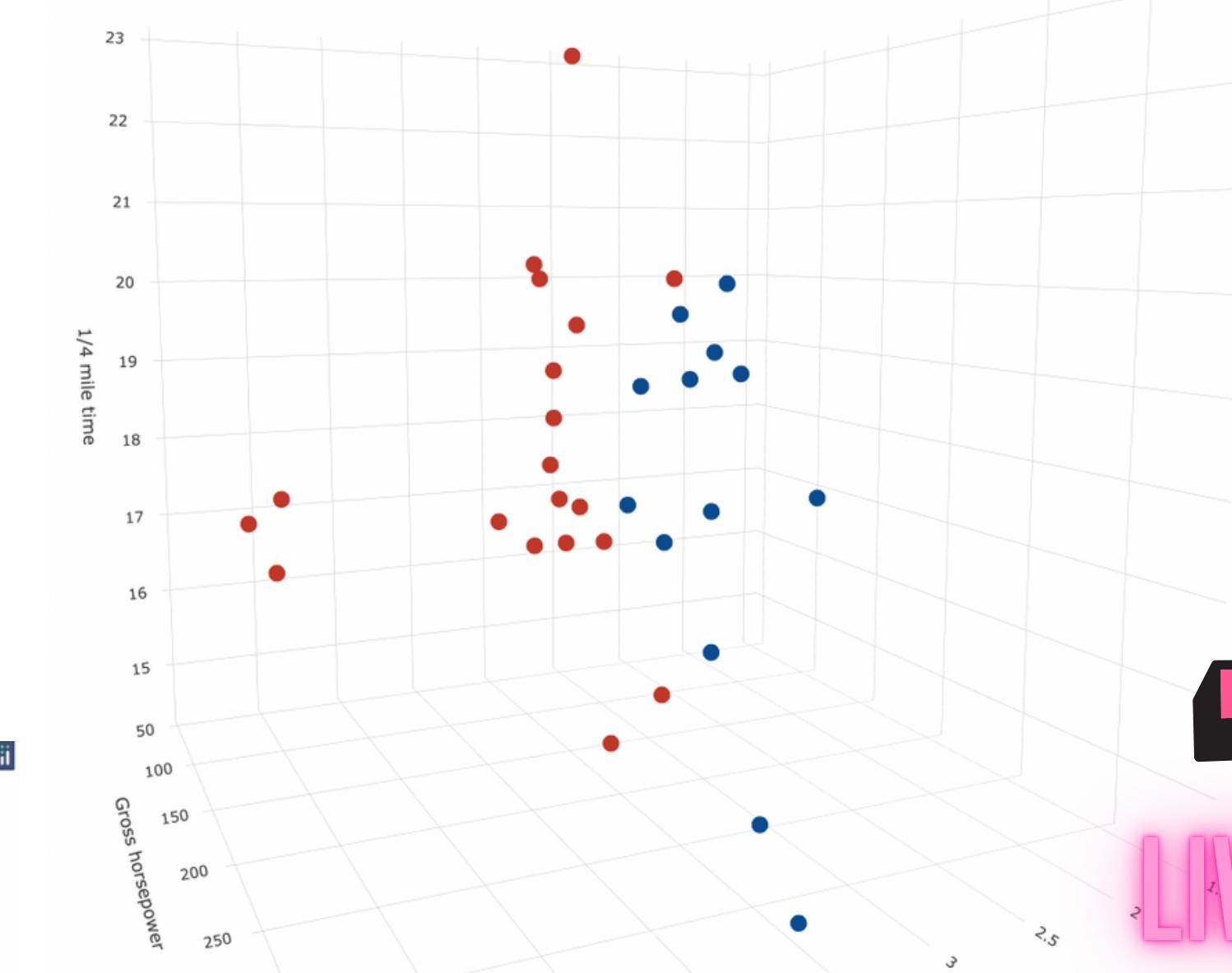
Source code: [github.com/udialter/intro-to-plotly](https://github.com/udialter/intro-to-plotly)Data from: [open.canada.ca](https://open.canada.ca)

V

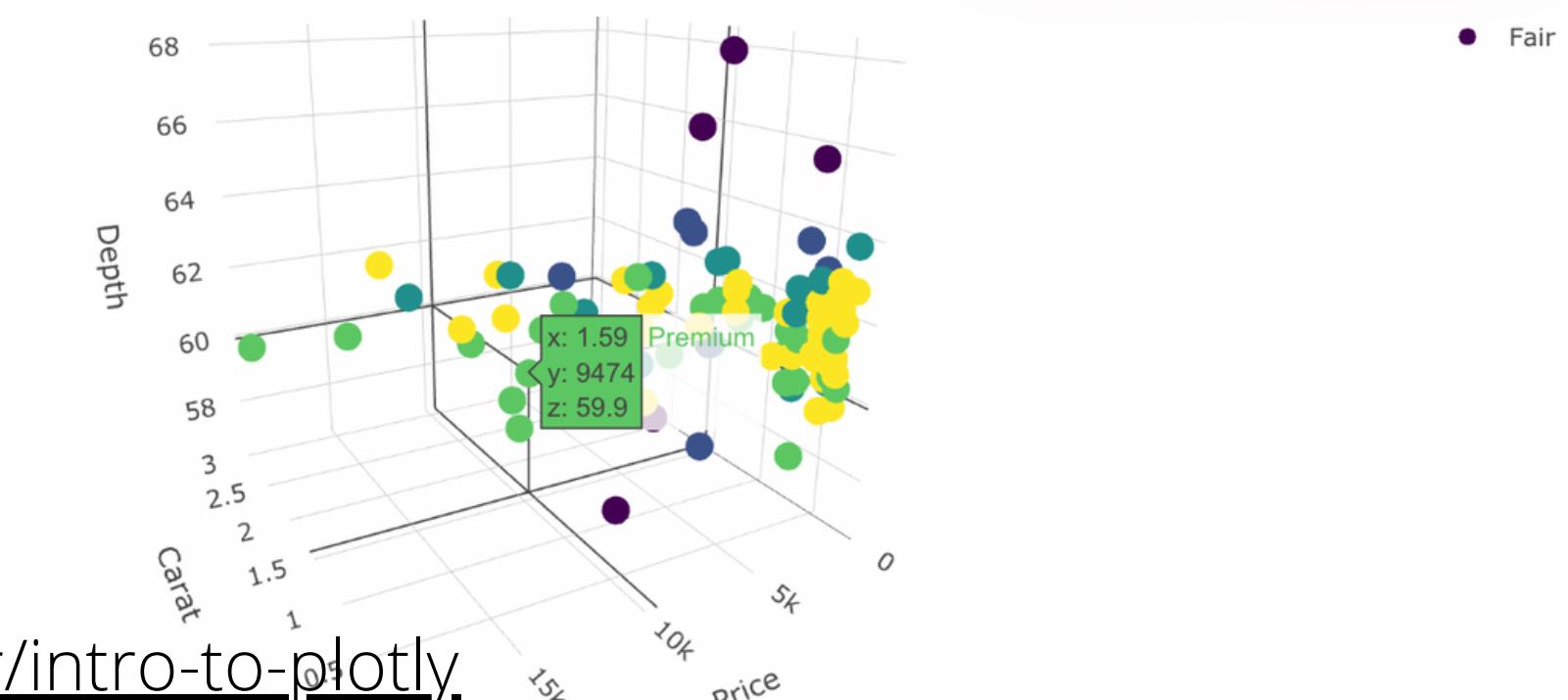
# plot\_ly examples



— Fair  
— Good  
— Ideal  
— Premium  
— Very Good

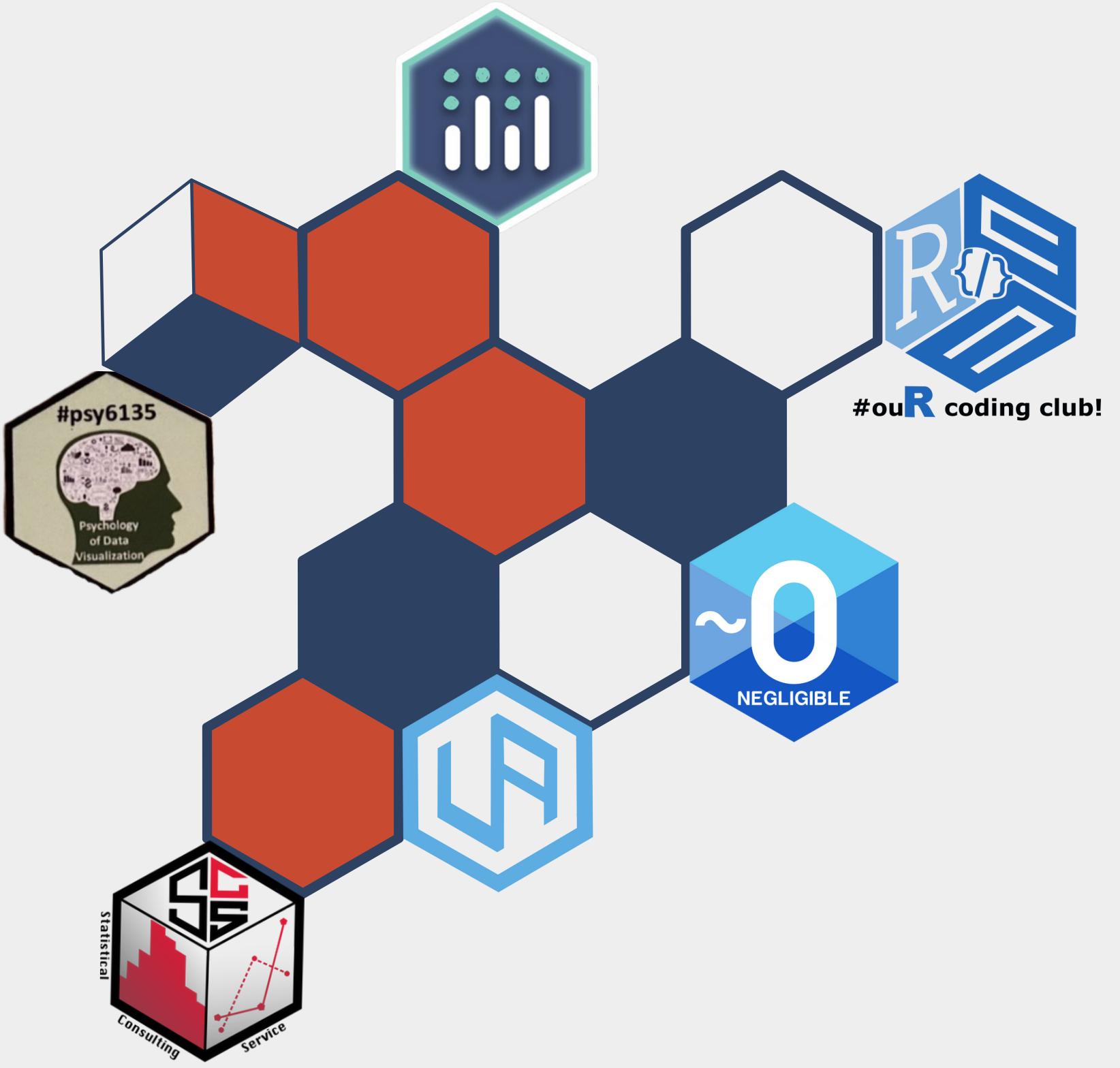
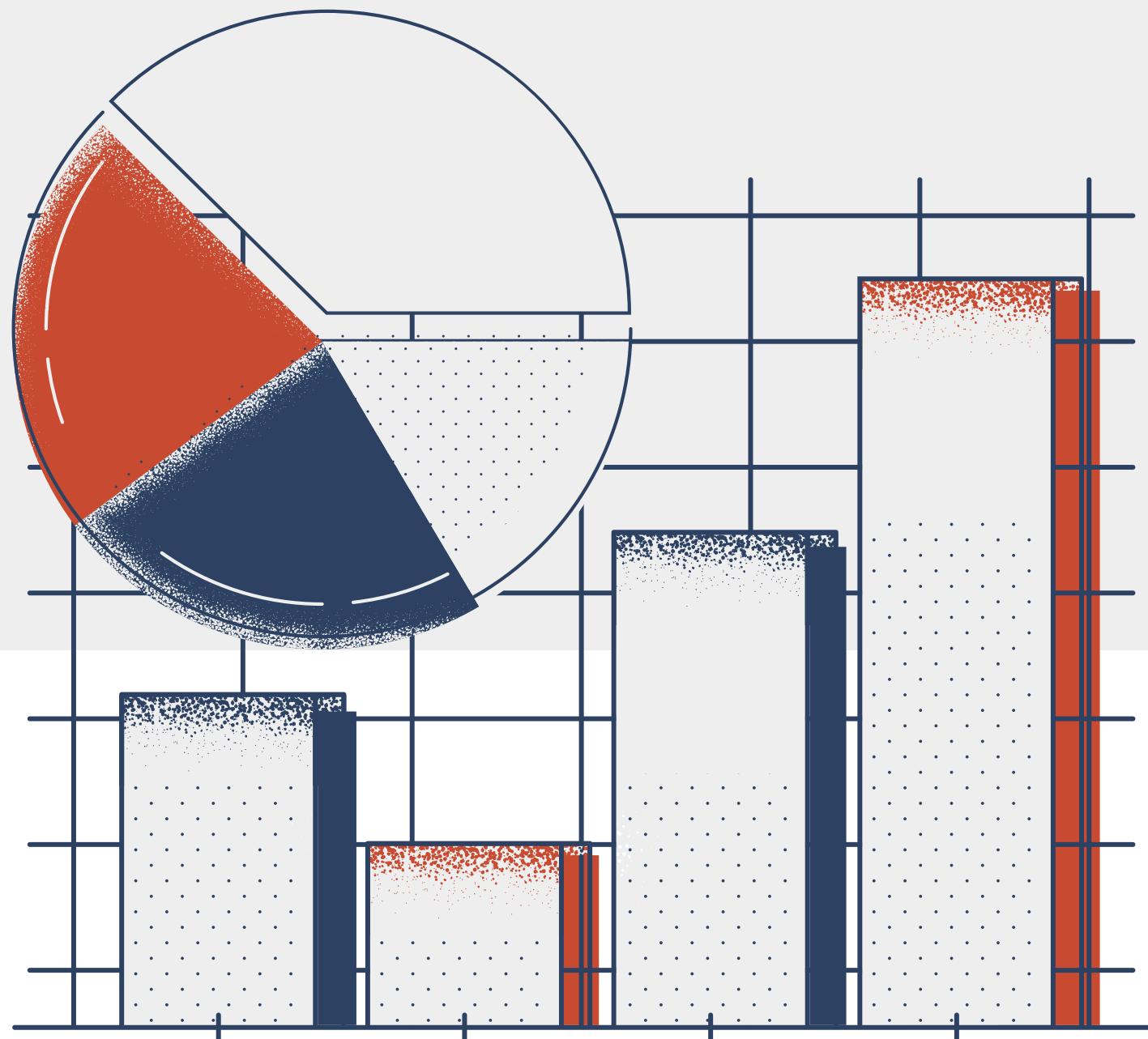


## LIVE DEMO



Source code: [github.com/udialter/intro-to-plotly](https://github.com/udialter/intro-to-plotly)

# Thank you!



*get Plot(c)ingy!*