

DDP - Plotly Presentation

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Introduction

Create a web page presentation using R Markdown that features a plot created with Plotly. Host your webpage on either GitHub Pages, RPubS, or NeoCities. Your webpage must contain the date that you created the document, and it must contain a plot created with Plotly. We would love to see you show off your creativity!

Review criteria

The rubric contains the following two questions:

- ▶ Does the web page feature a date and is this date less than two months before the date that you're grading this assignment?
- ▶ Is the web page a presentation and does it feature an interactive plot that appears to have been created with Plotly?

Visualization Code 1

Through this code we try to plot the closing prices of major European stock indices in the years of 1991 to 1998.

```
suppressPackageStartupMessages(library(plotly))
suppressPackageStartupMessages(library(tidyr))
suppressPackageStartupMessages(library(dplyr))
data("EuStockMarkets")
stocks <- as.data.frame(EuStockMarkets) %>%
  gather(index, price) %>%
  mutate(time = rep(time(EuStockMarkets), 4))
plot_ly(stocks, x = ~time, y = ~price, color = ~index, mode
```

Visualization Plot 1

Visualization Code 2

Using the `mtcars` dataset we plot can attempt to understand the relationship of various factors to gas mileage (`mpg`).

We plot weight (`wt`) vs. mileage (`mpg`) spatially along the x/y axes. We visualize the number of cylinders (`cyl`) as colors and the amount of horsepower (`hp`) as the size of an individual point in the plot.

```
suppressPackageStartupMessages(library(plotly))
plot_ly(data = mtcars, x = ~wt, y = ~mpg,
        color = ~as.factor(cyl), size = ~hp,
        text = ~paste("Weight: ", wt, '<br>MPG:', mpg),
        type = "scatter", mode = "markers") %>%
  layout(title = "Car Data")
```

Visualization Plot 2

Thanks

Check the GitHub Repository for this project.

GitHub Repo - [Click Here](#).