

Part 1 - Plotly

- 1) Generate Plotly scatterplot using 'iris' dataset with
'~Sepal.Length' as x variable and '~Petal.Length' as y variable.
 - a) Add color variable to depend on '~Species'.
 - b) Add size variable to depend on '~Petal.Width'.
- 2) Email a copy of the Figure from 1) to yourself. Verify that the plot can be opened.
hint: You will be sending a folder.
- 3) Create bar-chart using the 'iris' dataset with '~Sepal.Width' as y variable.
- 4) Combine figures from 1) and 3) into one figure. Hint: subplot(p1,p2)
- 5) Change the dots from Figure 1) to 'cross' symbols.
Hint1: marker=list(symbol=)
Hint2: <https://plot.ly/r/reference/scatter-marker-symbol>

Part 2 – Shiny

- 1) Create Shiny App that take number of rows as input and displays n rows of the 'iris' table.

Example:

Number of Rows

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.10	3.50	1.40	0.20	setosa
4.90	3.00	1.40	0.20	setosa
4.70	3.20	1.30	0.20	setosa
4.60	3.10	1.50	0.20	setosa
5.00	3.60	1.40	0.20	setosa
5.40	3.90	1.70	0.40	setosa
4.60	3.40	1.40	0.30	setosa
5.00	3.40	1.50	0.20	setosa
4.40	2.90	1.40	0.20	setosa
4.90	3.10	1.50	0.10	setosa

2) Create the following Shiny App(example below):

a) Takes in number value using a sliderInput with (min = 1, max = 50, value = 30).

b) Plot histogram from the 'faithful\$waiting' data.

