

# BMI 706 Homework 1

## Learning Goals

- Set up your computer for future assignments and the final project.
- Familiarize yourself with the Plotly library and how to use it from R.

## Problem 1 (0 points)

Download and install an R development environment (e.g. R or R Studio). Install the [Plotly R library](https://plot.ly/r/) (<https://plot.ly/r/>) and required dependencies.

## Problem 2 (0 points)

For the first homework assignment, please download the WHO flu data file and create two plots using the Plotly R library and two plots using the Plotly ggplot2 library. The four plots can show whatever you find interesting about the data, but they should all be different plot types.

Data: flunet2010\_11countries.csv via <https://bit.ly/2FVRmR7> (Source: <http://who.int/flunet>)  
Plotly R Documentation (use the function `plot_ly`): <https://plot.ly/r/>  
Plotly ggplot2 Documentation (use the function `ggplotly`): <https://plot.ly/ggplot2/>

Please do not forget to add titles and axis labels!

### What to submit?

1. All source code that you used to create the four plots, including data loading.
2. Screenshots of the completed work showing all four plots.
3. *Optional*: Short video or GIF that shows the interactive features of your plots.

## Administrative

### When is it due?

- Thursday, March 29th, 11:59 pm

### How do I hand in my solutions?

- Email required materials to [bmi706.2018@gmail.com](mailto:bmi706.2018@gmail.com).

### What if I have questions?

- Please use Piazza (<https://piazza.com/harvard/spring2018/bmi706/home>) to ask questions about this assignment. Please avoid sending messages for clarification directly to the instructors.