**Group Project (20%) – R Web Apps Using Shiny**

**Due date 16 December 2019 (week 14)**

Form a group that consist of **FOUR** members. Brainstorm to come up with ideas on a useful web apps for your group. The Shiny application in question is entirely up to you, but it must be useful and beneficial for people. However, if you are having trouble coming up with the ideas, you may browse the Shiny gallery at <https://shiny.rstudio.com/gallery/>

This project has two parts:

1. You will create a Shiny application and deploy it on Rstudio’s servers.
2. You will use Rstudio Presenter or Slidify ONLY (not power point presentation) to prepare a reproducible pitch presentation about your application.

**Shiny** is an R package that makes it easy to build interactive web apps straight from R.

**Your Shiny Application**

1. Write a shiny application with associated supporting documentation.
2. Deploy the application on Rstudio’s shiny server.
3. Share the application link by pasting it into the provided text box.
4. Share your server.R and ui.R code on github.

The application must include the following:

1. Some form of input (widget: textbox, radio button, checkbox,etc.)
2. Some operation on the ui input in server.R
3. Some reactive output displayed as a result of server calculations.
4. You must also include enough documentation so that a novice user could use your application.
5. The documentation should be at the Shiny website itself. Do not post to an external link.

**Your Reproducible Pitch Presentation**

All right, you have made your Shiny app, now it is time to make your pitch. You get 5 slides (inclusive of the title slide) to pitch your app. You are going to create a web page using Slidify or Rstudio Presenter with an html5 slide deck.

Here’s what you need.

1. 5 slides to pitch your idea done in Rstudio Presenter or Slidify.
2. Your presentation pushed to Rpubs.
3. A link to your Rpubs presentation pasted into Spectrum submission page.

Your presentation must satisfy the following:

* It must be done in Rstudio Presenter or Slidify.
* It must be 5 pages
* It must be hosted on Rpubs.

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