



Group Project (20%) – Due date 16 June 2021
Shiny Application and Reproducible Pitch

This objective of this project is to give an opportunity for students to:

1. Apply the whole data science processes into one complete work.
2. Show an understanding of problems that can be solved using data science
3. Showcase their soft-skills
4. Work together as a group

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

This assignment 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** 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 or app.R 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 Rstudio Presenter or Slidify 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 only.
- It must be hosted on Rpubs.

Video Presentation

A video of 8 – 10 minutes in duration, to replace the group presentation that usually takes place in a face-to-face class environment. Students can be creative in the presentation of the video. What is important is that each student must present, the content of the project must be clear and the data product must be visible.

