**Create a Shiny App**

**Requirements**

**Your app must:**

* use the ‘palmerpenguins’ dataset from <https://github.com/allisonhorst/palmerpenguins>
* contain **at least 2 different types of input widget** not including help text i.e. a slider and an select box is fine but two different sliders are not
* include **at least 1 reactive plot**
* include **at least 1 other type of reactive output** other than the plot

(It is important that these outputs are **reactive** to the user inputs)

* be hosted online
* **OPTIONAL CHALLENGE** have at least one way of controlling the reactivity i.e. an action button or a reactive expression (if you include an action button, this must be in addition to the previous 2 input widgets)

**Step 1:** Have a look at the ‘penguins’ dataset and decide on a question that you would like to explore using the data

**Step 2:** Spend a few minutes sketching out the layout of your app, what inputs and outputs you will produce and where they will be displayed in the app.

**Step 3:** Think about the flow of reactivity in the app. You may also want to create a diagram like those shown in the reactivity section.

**Step 4:** Time to write the code for your app!

**Step 5:** When you have a finished version of the app, upload it to your shinyapps account.

**Step 6:** Email Naomi ([nvm4@leicester.ac.uk](mailto:nvm4@leicester.ac.uk)) a copy of your R code (or a link to your GitHub repo) and a link to your app.