

In this assignment, you will practice building and hosting a Shiny application in R. Our familiar Walking Dead data will be used for these purposes. The app we are working for can be seen at https://chapmancs614.shinyapps.io/in-class_assignment/, which is also available on the class website. I've broken down the creation of this application into the following tasks.

1. Create a checkbox input with the names of all 8 characters hardcoded as options.
2. Create a place holder for a line chart output.
3. Link your input to a variable, filtered by the checkbox input, to a `geom_line()` plot of kills by season, stratified by character.
4. Add a text box input and link the entered text to the y-axis of your line chart.
5. Redo Step 1 so that the checkbox options are automatically populated by the data itself. You'll be using the `uiOutput()` and `renderUI()` commands for this.
6. Add a radio button input with Yes/No options for bar plot display. Create an output place holder for a bar plot.
7. Link the yes/no from your radio button to the creation of a bar plot of kills by character by season. The by-season stratification is most easily done using `facet_wrap()`.
8. Clean up your app by making sure no error messages are provided and that figure axis do not dynamically change.
9. Follow the instructions on shinyapps.io to host your application on the R Shiny server.
10. Open your-newly created app on your phone.