Shiny Assignment 1

Problem:

Use the "Top100_Popular_Baby_Names.xlsx" file to create a Shiny application that shows the popularity of baby names by year.

The Shiny app should include **four** separate tabs containing following information.

Tab 1: Top 10 most popular girls' names (sorted in descending order of popularity) in a given year. Include an option such that a user can choose his/her year of interest from a drop-down menu.

Tab 2: Top 10 most popular boys' names (sorted in descending order of popularity) in a given year. Include an option such that a user can choose his/her year of interest from a drop-down menu.

Tab 3: Create a chart that shows the popularity of a girl's name over time. Include an option such that a user can choose a girl's name from a drop-down menu. (A name may not be on the list every year. So, adjust/improvise your chart accordingly.)

Tab 4: Create a chart that shows the popularity of a boy's name over time. Include an option such that a user can choose a boy's name from a drop-down menu. (A name may not be on the list every year. So, adjust/improvise your chart accordingly.)

Instructions for Submission:

1. Include your last name in the name of the file you submit. For example, if your last name is Knight, name the file ***BUAN6357_Shiny1_Knight***.

2. **DO NOT** use an absolute directory path in your R script. I should be able to run your code without trying to find the input data in another directory. Assume that I will have the above .xlsx file in the directory where I will save your R script.

3. **DO NOT** change the ".xlsx" dataset name before importing it. If you need to rename the dataset name or any variable name within it, do it within your R script.

4. Label the charts and tables appropriately. Those include titles, axis names, axis labels.

5. Please **check the deadline** on eLearning. Any assignment submitted after the deadline will be considered late and will not be graded.