GitHub Repository Exercise

Goal: Create a new GitHub repository for course exercises and render .ipynb notebooks using binder *README.md*, *environment.yml* (Python), *install.R* (R) and runtime.txt (R) files.

Step 1: Sign-up for a GitHub

   Github.com > Create Account

   User: ***UnityID***

   Email: ***UnityID@ncsu.edu***

   Create New Repository > **CS590**

*** If you have an existing, non-UnityID account, please forward the account information

Step 2: Render Binder launch icon for README.md file for GitHub

   Mybinder.org > Enter GitHub information for repository ex. Jcdunne/CS590

   If you have created a branch, make sure the Git branch, tag or commit has been included

   Copy the text below   next to the   icon.

   Create a README.md file in the master branch of the GitHub repository

   Paste the text within the README.md file and commit the changes

Step 3: Determine the environment (Python) or (R) for rendering the Docker image in Binder

For Python: Create environment.yml file > Download from NBViewer on Course GitHub

For R: Create runtime.txt file > Download from NBViewer on Course GitHub

   Create install.R (specify packages) > Download from NBViewer on Course GitHub

Step 4: Check Binder setup using NBViewer > Search *UnityID/Repository*

The GitHub repository and Binder Launch is for uploading the exercises each week for grading