Instructions for Using HPC R Studio Server

URL

servood.hpc.ncsu.edu (Log in with your NCSU credentials.)

- Select "NC State University" from the "Select Your Campus" dropdown, check the "Remember My Selection" box, and click "submit" (login with your unityID and password).

To navigate to and use our class space

- In the dark gray banner at the top, click on **Files** and select "Home Directory".
- Above the folders, in the light gray banner, click on **Change directory**, type: `/share/dsa435601s26` and then press OK.
- You should see a folder titled with your NCSU username. All files you use for your project will be in this folder.
- To upload and download files, use the blue buttons in the upper right corner of this page.

To launch an R Studio session

- In the dark gray banner at the top, click on **My Interactive Sessions**.
- Click on **R Studio Server**.
- Fill in the form as follows:

    - Leave the **Queue** blank.
    - Select the **Number of hours** you think you will need for the current session.
    - Select the **Number of processors**: For most coding, you will want to choose 1. However, when you are running machine learning algorithms in our code templates, then I recommend 4.
    - Select the **Amount of memory**: If you're working with small datasets (<1 GB), then 4-8GB of RAM is likely sufficient. If you're working with medium data (1GB-10GB), aim for 16-32GB.
    - Select the **Version of R Container**: This should be 4.4.0.
    - Specify the **Path to User Libraries**: This should be `/gpfs_common/share02/dsc435601s26/installed_librar`

- Click on **Launch**.
- The server may take a minute or so to launch. When it is ready, click on the blue button that says **Connect to RStudio Server**.
- If you finish early or make a mistake launching a session, then click on **Delete** on the page for My Interactive Sessions.