



Using R/RStudio in Adroit

(v1.0)

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November 2019

 <http://dss.princeton.edu/training/>

Getting an account

To use software available in Adroit you need to request an account, click on the following link:

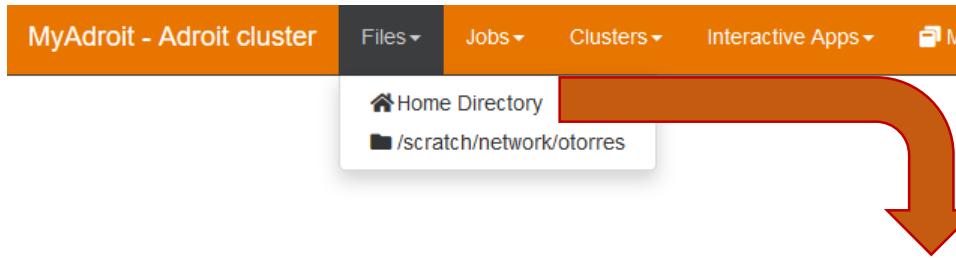
<https://forms.rc.princeton.edu/registration/?q=adroit>

For more information on Adroit, visit

<https://researchcomputing.princeton.edu/systems-and-services/available-systems/adroit>

Once you login to MyAdroit (<https://myadroit.princeton.edu/>),

go to “Files” → “Home Directory”



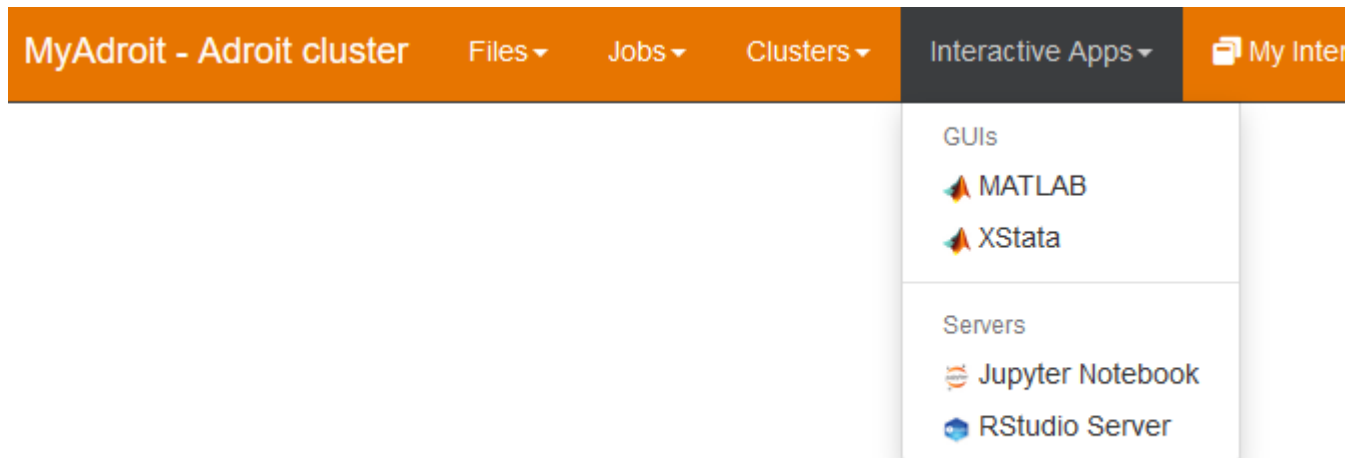
File Explorer

A screenshot of the File Explorer interface. The top bar is light gray and contains several buttons: "Go To...", ">_ Open in Terminal", "New File", "New Dir", "Upload", "Show Dotfiles", and "Show Owner/Mode". Below this is a toolbar with buttons for "View", "Edit", "A-z Rename/Move", "Download", "Copy", "Paste", "(Un)Select All", and "Delete". The main area shows a file list with columns for "name", "size", and "modified date". The file list contains three entries: "..", "R", and "ondemand". A red arrow points from the "Upload" button in the top bar down to a text box at the bottom right.

name	size	modified date
..	<dir>	
R	<dir>	05/17/2019
ondemand	<dir>	05/17/2019

You need to upload your files first.
Software in MyAdroit won't read files
in your hard drive

After uploading all necessary data files, go back to the “Dashboard” tab in your browser, go to “Interactive Apps” and select the desired software: XStata (Stata), RStudio Server (R), Jupyter Notebook (Python), or MATLAB.



Interactive Apps

GUIs

MATLAB

XStata

Servers

Jupyter Notebook

RStudio Server

RStudio Server

This app will launch [RStudio Server](#) an IDE for R on the Adroit cluster

Number of hours

1

Number of cores

2

Number of cores on node type (3.2GB memory per core)

 I would like to receive an email when the session starts

Launch

* The RStudio Server session data for this session can be accessed under the [data root directory](#).

Before loading the software you need to reserve some space in the form of time and cores. The longer the time and the higher the number of cores the longer it will take to get the space.

For the number of cores, start by selecting 2 which reproduces the computing capacity of your laptop.

For time, estimate the amount of time you have for that session. If you want to process something that will take a lot of time, select as much as you can and leave it running. Session will end when time is over.

When ready click on “Launch”

Your session will be ready when you see “Connect to RStudio Server”, then click on it.

Interactive Sessions

Session was successfully created. ✕

[Home](#) / [My Interactive Sessions](#)

Interactive Apps
GUIs
MATLAB
XStata
Servers
Jupyter Notebook
RStudio Server

RStudio Server (676572) 1 node | 2 cores | Running

Host: [>_adroit-09](#) Delete

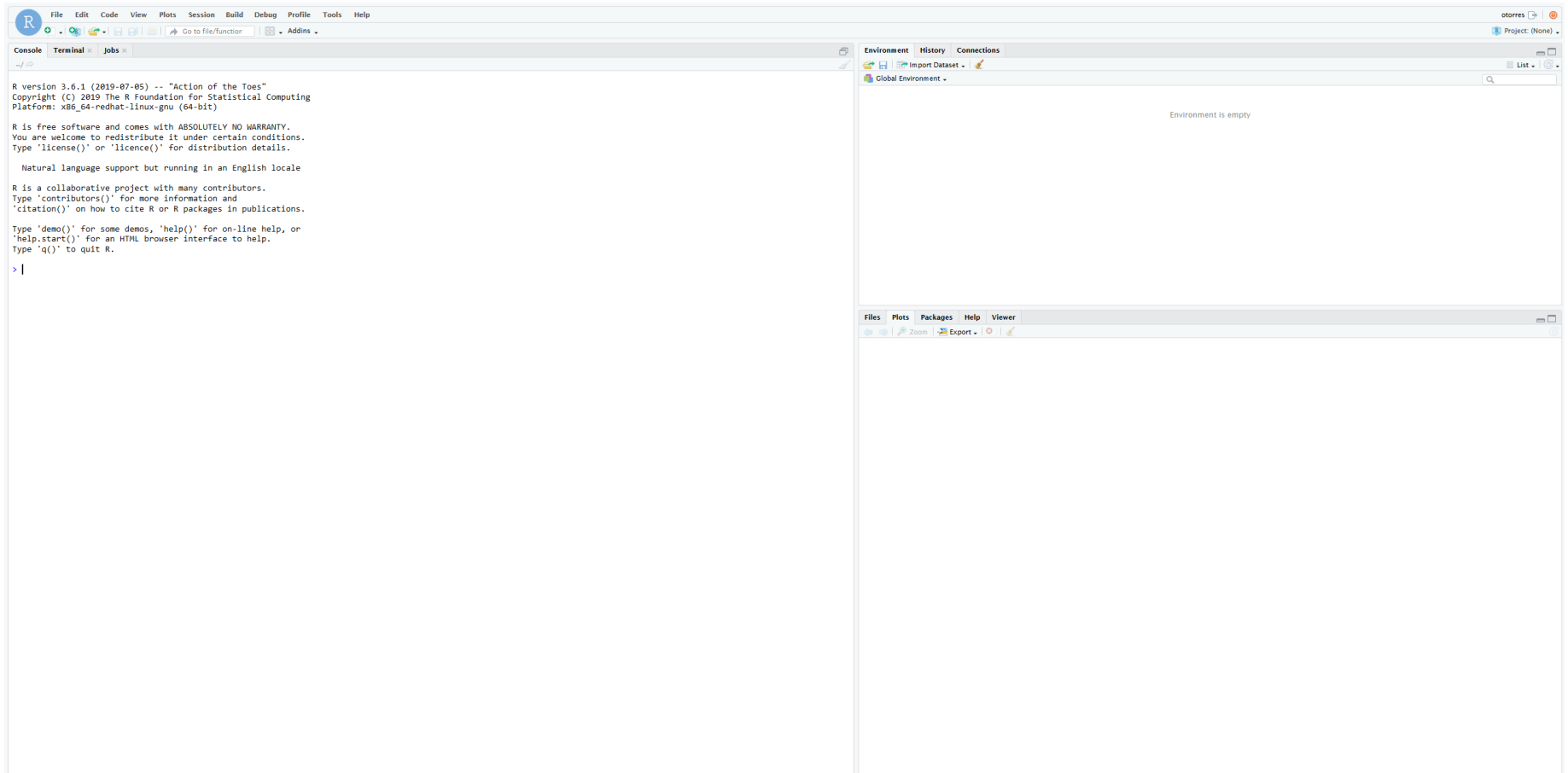
Created at: 2019-11-20 16:11:22 EST

Time Remaining: 59 minutes

Session ID: 3c9f77c3-1af3-4968-a150-945294128fea

[Ⓡ Connect to RStudio Server](#)

RStudio is ready to use.



Keep in mind...

- Once you are done with your analysis, remember to download to your laptop any graphs or output you create.
- Download is available in your home directory in the 'File Explorer' tab in your web browser.
- If you do not see your files, click on the refresh icon next to `/home/your_netid`

Support

For any Adroit related questions please contact Research Computing at:

cses@princeton.edu

For any RStudio related questions please contact DSS at:

data@princeton.edu