Introduction to R Noushin Ghaffari TAMU HPRC - TxGen

Course Material

PowerPoint slides and all related material for this short course are available on our website:

https://hprc.tamu.edu/training/intro_r.html

About Jupyter

Jupyter is a web application that allows you to easily connect to a remote server and run applications. We will be using **Jupyter** to connect to **titan.tamu.edu** and use R.

Requirements

To access the **Jupyter Notebook** you will need: -An Internet-connected device (desktop, laptop, or large tablet is preferred) -Internet access (tamulink-wpa Wi-Fi, OAL Ethernet) -An Internet browser

For this example, we will use Mac OS, tamulink-wpa, and Firefox. These choices will not make a significant difference in using **Jupyter** once you are connected.

Setup

(1) Open your Internet browser.

- (2) Go to one of the following links: <u>https://titan.tamu.edu:8000/</u>
- (3) You should then see a login window. Use your NetID credentials to log in. This is the same username and password as Howdy and Ada.

Sign in		
Username:		
Password:		J
Sign In		

(4) Upon successful login you will see some files and directories. Click on the "<u>HPRC_R_Courses</u>/ <u>Introduction_to_R_HPRC_ResearchComputingSymposium_May19</u>/

Introduction_to_R_14May19.ipynb" file.

(5) Before class begins, please restart your kernel and clear all outputs. To do this, click on "Kernel -> Restart & Clear Output"

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	Restart		
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	Restart & Run All		
Introduction t	Reconnect		
	Shutdown		
TAMU HPRC Sh	Change kernel		
Dr. Noushin Ghaf	ffari		
	Introduction to R. We use the Jupyter Notebook to run the commands. We will also demonstrate command execution ed on Software Carpentry "Programming with R" and "R for Reproducible Scientific Analysis" lessons.	using Ada.	
What is R?			

(6) Once your changes have been saved, you are ready to begin the class. Check out Help > Keyboard Shortcuts to learn more about the environment.

File Edit View Insert Cell Kernel Widgets	Help	Truster
	User Interface Tour Keyboard Shortcuts Edit Keyboard Shortcuts	
Introduction to R	Notebook Help C* Markdown C*	
TAMU HPRC Short Courses –	About	
Dr. Noushin Ghaffari		

This course will provide an introduction to R. We use the Jupyter Notebook to run the commands. We will also demonstrate command execution using Ada. Parts of this course are based on Software Carpentry "Programming with R" and "R for Reproducible Scientific Analysis" lessons.

What is R?