



Data Visualization

Who are you?



I Still Don't Know

Fill-out : Form

Why are We Here?



- To Develop a Personal and Intimate Hate/Love Relationship With R
- To Install Some Key R Packages
 - Tidyverse
 - Rmarkdown
- To Practice Coding via R Scripts
- To Learn Elements of ggplot2
- To Practice Making Visually Stunning Pictures that Change Lives

Initial Steps in RStudio

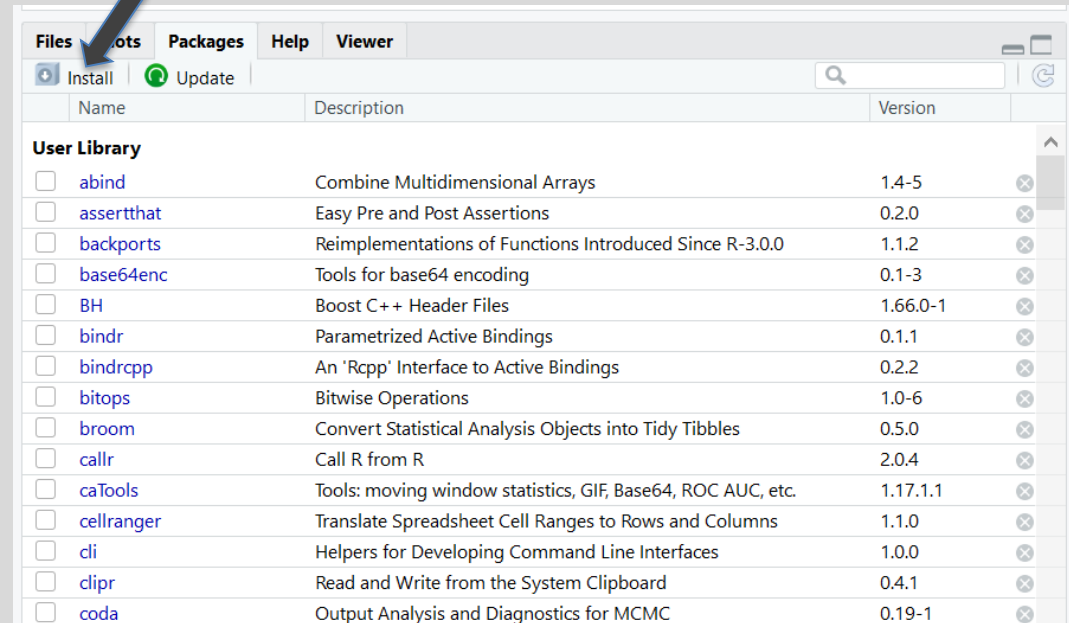


- Install Tidyverse Package

```
➤ install.packages("tidyverse")
```

- Other Packages To Be Installed
 - RColorBrewer
 - RMarkdown

Select Install and Search on CRAN



Initial Steps in RStudio



- To Use the Package

- Code

```
> library("tidyverse")
```

- Check Box for Tidyverse

Files	Plots	Packages	Help	Viewer
<input checked="" type="checkbox"/> Install <input checked="" type="checkbox"/> Update		<input type="text"/>		
		Name	Description	Version
<input checked="" type="checkbox"/>		tidyverse	Easily Install and Load the 'Tidyverse'	1.2.1
<input type="checkbox"/>		tinytex	Helper Functions to Install and Maintain 'TeX Live', and Compile 'LaTeX' Documents	0.6
<input type="checkbox"/>		utf8	Unicode Text Processing	1.1.4
<input type="checkbox"/>		viridisLite	Default Color Maps from 'matplotlib' (Lite Version)	0.3.0
<input type="checkbox"/>		whisker	{{mustache}} for R, logicless templating	0.3-2
<input type="checkbox"/>		withr	Run Code 'With' Temporarily Modified Global State	2.1.2
<input type="checkbox"/>		xfun	Miscellaneous Functions by 'Yihui Xie'	0.3
<input type="checkbox"/>		XLConnect	Excel Connector for R	0.2-15
<input type="checkbox"/>		XLConnectJars	JAR Dependencies for the XLConnect Package	0.2-15
<input type="checkbox"/>		xml2	Parse XML	1.2.0
<input type="checkbox"/>		yaml	Methods to Convert R Data to YAML and Back	2.2.0
<input type="checkbox"/>		zoo	S3 Infrastructure for Regular and Irregular Time Series (Z's Ordered Observations)	1.8-3
System Library				
<input type="checkbox"/>		boot	Bootstrap Functions (Originally by Angelo Canty for S)	1.3-20
<input type="checkbox"/>		class	Functions for Classification	7.3-14
<input type="checkbox"/>		cluster	"Finding Groups in Data": Cluster Analysis Extended Rousseeuw et al	2.0.7-1

Closing?



Disperse
and Make
Reasonable
Decisions