## Data Science CS301

### Installating R and Rstudio

Week 1
Fall 2025
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- Course web site:
  - https://www.oliverbonhamcarter.com/classes/datascience/datascience/

oliverbonhamcarter.com/classes/datascience/datascience/

- Syllabus, Planning and ClassDocs/:
  - https://github.com/AlleghenyCollege-CIS-301-F2025/classDocs

### The R Programming Language

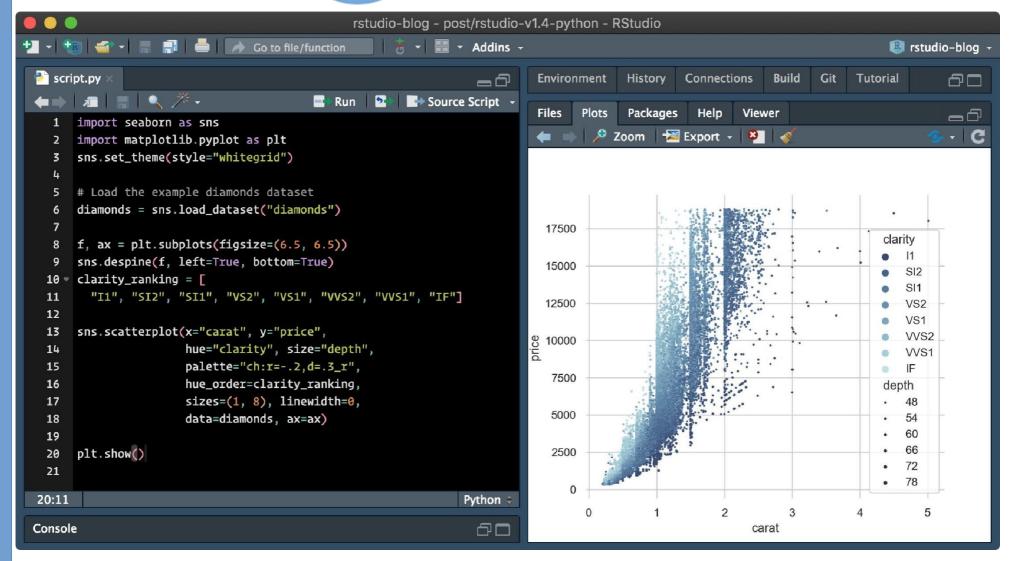


- https://www.r-project.org/
- What is the R language?
  - An open source, well-developed programming platform for work in statistics, mathematics and data analytics
  - Cross platform; runs on major OSs
  - Popular programming skill among Big Data analysts, and data scientists
- Community Blogs:
  - https://www.r-bloggers.com/
  - https://twitter.com/rstudiotips/
  - https://towardsdatascience.com





## R Studio ®

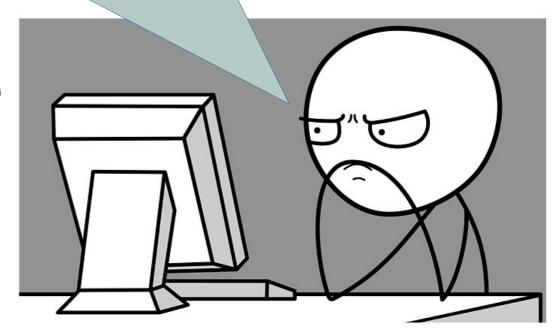




# Let's take a moment to install these software packages!

RLanguage

R Studio





# Install links





RStudio download https://posit.co/downloads/



R Programming Language https://cran.rstudio.com/



#### Verify Your Installation!

Wait! R or RStudio? Same language!

R version 3.2.2 (2015-08-14) -- "Fire Safety"
Copyright (C) 2015 The R Foundation for Statistical Computing Platform: x86\_64-pc-linux-gnu (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY. You are welcome to redistribute it under certain conditions. Type 'license()' or 'licence()' for distribution details.

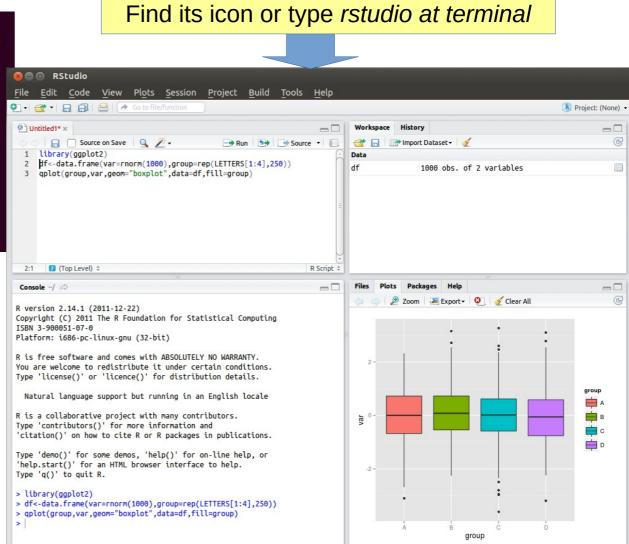
Natural language support but running in an English locale

R is a collaborative project with many contributors. Type 'contributors()' for more information and 'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or 'help.start()' for an HTML browser interface to help.

Type 'q()' to quit R.

To run:
Type "R" at terminal



To run:



#### Getting Help in R

- Online help: place a "?" in front of a keyword
  - Ex: ?print

