FAQ about R

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Where do I get acccess to R and R Studio?

- Option 1: Use R Studio in the cloud.
    - Free account that you can access anywhere.
    - I have setup the basic environment for you already. Ready to go immediately.
- Option 2: Download and install R, R Studio, and a lightweight version of LaTeX.
    - Need help? Check out the DataCamp lesson on working with R Studio (Orientation chapter only) https://www.datacamp.com/courses/working-with-the-rstudio-ide-part-1
    - You will then have to install all the necessary packages that we use in this class.
    - You will also have to set the following preferences:
        * In RStudio the file menu go to Tools then Global Options.
        * Uncheck "Restore .RData into workspace at startup" and "Always save history""
        * Where it says "Save workspace to .RData on exit:" Select "Never""
        * Click apply then ok.

Where can I get help using R outside of class time?

Online

- Chico R User Group
- UCLA IDRE https://stats.idre.ucla.edu/r/
- Cookbook for R http://www.cookbook-r.com/
- R Examples repository http://dwoll.de/rexrepos/index.html
- R Cheat Sheets https://www.rstudio.com/resources/cheatsheets/

In Person:

- **Community Coding** - TR 2-4pm, THMA 116 [flyer]
- **Robin Donatello** - Stat professor. Holt 202 Office Hours: TBD
- **Edward Roualdes** - Stat professor. Holt 204 - eroualdes@csuchico.edu Often at community coding.
- **Peer Mentors** -See [Peer mentor] page for contact info.
- **Math Learning Lab (MLIB 4th floor)** List of S19 tutors TBD
- **R Meetup group** Coding over coffee (or adult beverages) anyone?

Help with. . .

General R Programming

- Base R Cheatsheet http://github.com/rstudio/cheatsheets/raw/master/base-r.pdf
- PDS Common errors [DOCX]
- PDS Useful functions [DOCX]
- PDS Navigataing data sets [DOCX]
- R Cookbook http://www.cookbook-r.com/

- Quick-R http://www.statmethods.net/

R Studio & R Markdown

- R Studio Cheatsheet https://github.com/rstudio/cheatsheets/raw/master/rstudio-ide.pdf
- R Markdown Cheatsheet https://github.com/rstudio/cheatsheets/raw/master/rmarkdown-2.0.pdf

Graphics

- Data Visualization using ggplot https://github.com/rstudio/cheatsheets/raw/master/data-visualization-2.1.pdf
- PDS Graphing in GGplot [PDF]
- PDS Bivariate graphing [PDF]
- Math 130 https://norcalbiostat.github.io/MATH130/full_data_viz_tutorial.html
- R Graphics Cookbook http://www.cookbook-r.com/Graphs/
- Quick R https://www.statmethods.net/graphs/index.html
- STHDA http://www.sthda.com/english/wiki/data-visualization
- Data Camp https://www.datacamp.com/courses/data-visualization-with-ggplot2-1
- R Graph Gallery https://www.r-graph-gallery.com/

Data Cleaning

- Data Transformation using dplyr https://github.com/rstudio/cheatsheets/raw/master/data-transformation.pdf
- Data Camp https://www.datacamp.com/courses/cleaning-data-in-r
- Applied Stats Notes Chapter 1 https://norcalbiostat.github.io/AppliedStatistics_notes/index.html