Intro to R

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House Keeping

- All course materials can be found at

  - http://bootstrappers.umassmed.edu/
    bootstrappers-courses/courses/rCourse

- Is there anyone who needs help with installing R
  and RStudio?

What is R?

- R is both a program and programing language that is used to analyze all types of data

- R is open source (free) and is extremely versatile in terms of kinds of data it can analyze

- Is is becoming more and more popular in use for research

  - http://r4stats.com/2016/06/08/r-passes-sas-in-scholarly-use-finally/

What is RStudio?

- RStudio just wraps around R to add more features and makes it easier to run R but R itself is a standalone application

Packages In R

- R itself comes with base packages but the majority of the time you'll have to install new packages to do work

- Main package covered in this Bootcamp

  - tidyverse

    - https://www.tidyverse.org/

    - A collection of several packages that handles both reading/manipulating data (tidyr, diplyr, etc)

    - Plotting data (ggplot2)