STAT 10 Discussion/Lab 1

Introduction

Jan 4, 2022

Discussion Logistics

- **TA:** Steven Ye
- **Email:** stevenysw@g.ucla.edu
- **Discussion Location:** Young 1044 or Zoom
- **Office Hours:** 1-3pm, Thursdays
- **Zoom Meeting ID:**
    - **3C**: 948 6186 7400
    - **3D**: 928 1614 9689
    - **OHs**: 934 3155 2215

About Labs

- **Lab**: Five lab assignments are given throughout the session, and each of them is expected to be completed in every 2 weeks.
  - Must be submitted on **GradeScope** in PDF format.
  - The lowest lab grade will be dropped.
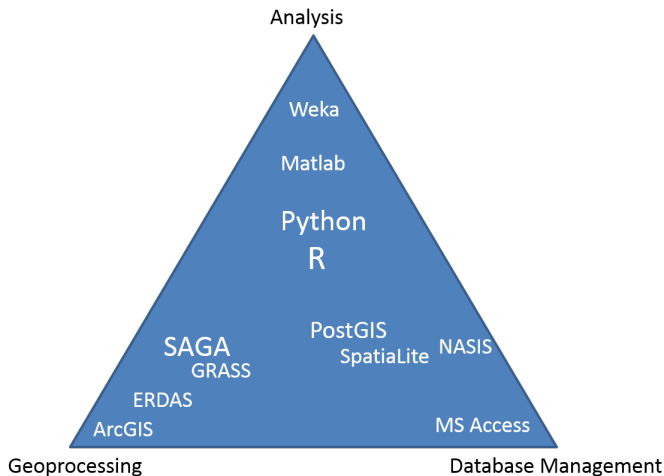- **Discussion**: typically before exams, go over practice exams

What is R

"R is a free software environment for statistical computing and graphics."
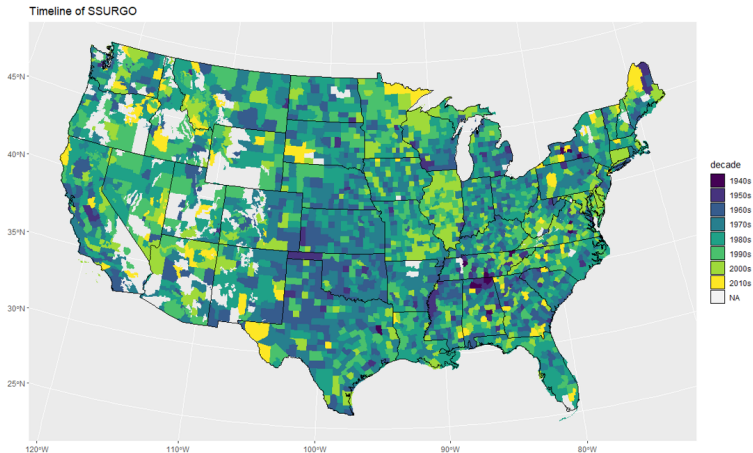*(R Core Team, 2016)*

What is R

- a software environment
    - statistics
    - graphics
    - programming
    - calculator
- a language to explore, summarize, and model data
    - functions = verbs
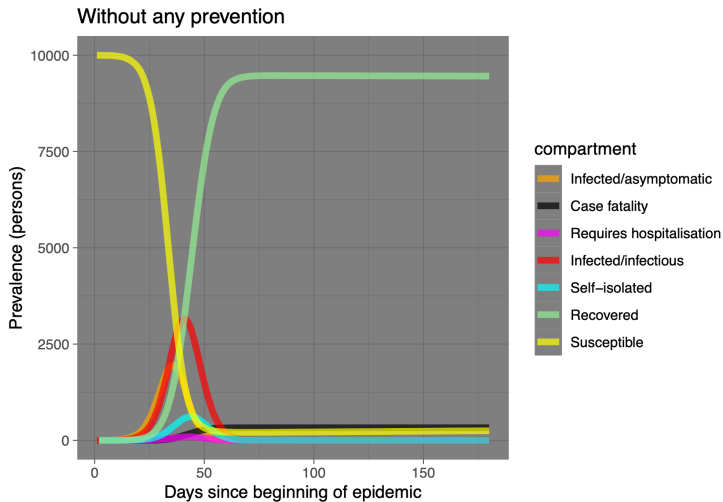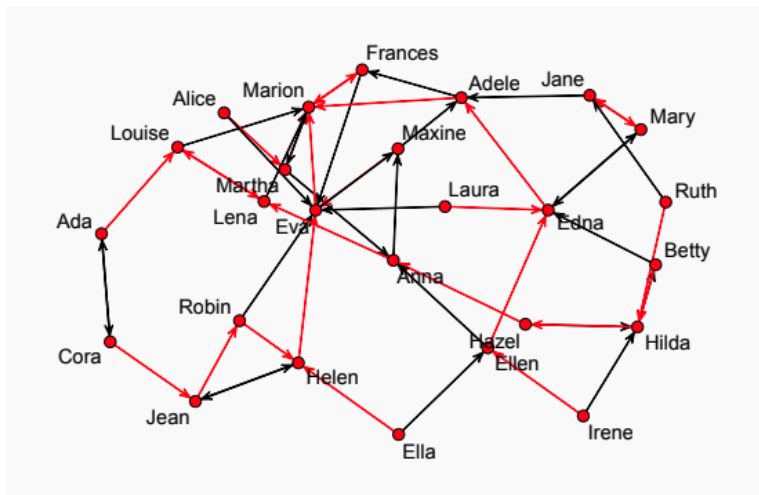   - objects = nouns

What is R

Some cool things to do with R

Timeline of SSURGO

Some cool things to do with R

Some cool things to do with R

Download R and RStudio

- Download the latest version of R at
  - If you are using Mac: https://cran.r-project.org/bin/macosx/
  - If you are using Windows:
    https://cran.r-project.org/bin/windows/base/
- After R is installed, download the latest version of RStudio (the free one on the left):
  https://www.rstudio.com/products/rstudio/download/
- Alternative: RStudio Server http://rstudio.stat.ucla.edu:8787/

Some useful guides

- https://cran.r-project.org/doc/manuals/r-release/R-intro.pdf
- https://rstudio.com/resources/cheatsheets/