W#1 İST256

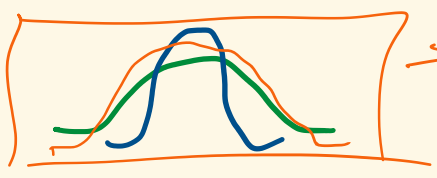
22 February 2022 Tuesday 10:59

R is a high-level language and environment for data analysis and computations!

created by Ross Isaka and Robert Gentleman.

Content of the lecture

1) Basic Data Structure:
   - Continuous
   - Nominal, ordinal, Discrete, categorical
2) Data Import and Export (Packages) ←
3) Data inspection and Manipulation (tidyverse)
4) Comparisons of Grouped Means: t-tests
5) Add-on-Packages
6) Basic Programming: For Loops – Ig-else statements, Built-in functions
   Apply Family →
7) R Graphics and Visualizations (base R, ggplot2)
   Trellis graphics (advanced)
8) Normal Distribution and Its Graphics



→ all in one

9) Reporting (R Markdown)

10) How to use RStudio for R commands? Python commands

R? Google it! RStudio? Google it!

www.r-project.org (official web page!)

) CRAN: the comprehensive R Archive Network

http://cran.r-project.org (Downloading and Installing)

) Mirror Links (Choose the nearest one country!)

) Windows | for most of you
Mac
Linux

) RStudio (www.rstudio.com)

Install R first.

Base R