

1 - Intro to R

Setup

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Your Background

What do you know already?

- ▶ Excel, Numbers, Some sort of spreadsheet software
- ▶ SAS, SPSS, Minitab
- ▶ Any other programming language
- ▶ R
- ▶ A text editor

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Installing R

Hopefully this is done already. Otherwise for Windows or OSX:

- ▶ Go to <http://www.r-project.org/>
- ▶ From CRAN, pick a download site (ISU is a good choice)
- ▶ Choose link based on your OS
- ▶ Choose the "base" subdirectory to install R.
 - ▶ "contrib" is useful for installing packages on computers without internet access
 - ▶ "Rtools" is needed for package development

Interacting with R

- ▶ RStudio
- ▶ RGui [Windows/Mac] or Command line [Linux]
- ▶ Notepad++ (NpptoR) [Windows only]
- ▶ Emacs + ESS
- ▶ Eclipse + StatET

Get used to RStudio

Let's make sure everybody can use R with their editor of choice.