

Introduction to Data Visualization in R: ggplot (Basics)

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Configuration for Exercises

- R is a programming language that is especially powerful for data exploration, visualization
- RStudio is an integrated development environment (IDE) that makes using R easier
- R and RStudio are two separate pieces of software
- **Must install R before you install RStudio**

1. Download R from the [CRAN website](https://cran.r-project.org/)
2. Run the .exe file that was just downloaded



1. Go to the RStudio [download page](#)
2. Under Installers select RStudio x.yy.zzz - Windows Vista/7/8/10 (where x, y, and z represent version numbers)
3. Double click the file to install it



1. Download R from the [CRAN website](https://cran.r-project.org/)
2. Select the .pkg file for the latest R version
3. Double click on the downloaded file to install R
4. It is also a good idea to install XQuartz (needed by some packages)



1. Go to the RStudio [download page](#)
2. Under Installers select RStudio x.yy.zzz - Mac OS X 10.6+ (64-bit) (where x, y, and z represent version numbers)
3. Double click the file to install RStudio



- Latest version of [RStudio](#), v2022.07.0-548 or later
- Tidyverse: [collection of R packages](#) designed for data science
- [Gapminder](#) combines data from multiple sources into unique coherent time-series that can't be found elsewhere

