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Week 2

Data Analysis with R Programming

Week 2

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Programming using RStudio



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Using R can help you complete your analysis efficiently and effectively. In this part of the course, you'll explore the fundamental concepts associated with R. You'll learn about functions and variables for calculations and other programming. In addition, you'll discover R packages, which are collections of R functions, code and sample data that you'll use in RStudio.

∧ Less

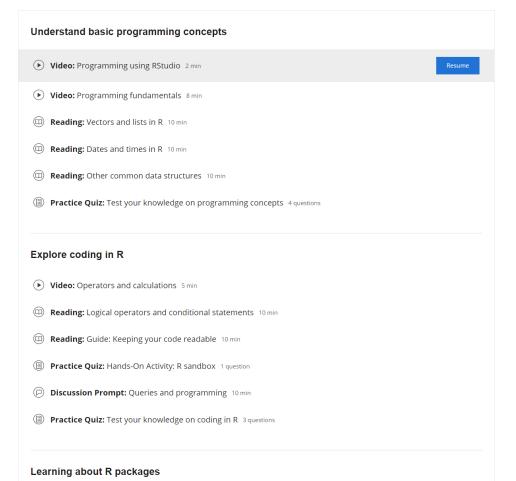
Learning Objectives

- Describe the contents and components of the tidyverse package for $\ensuremath{\mathsf{R}}$
- Describe the concept of packages in R programming language
- Describe the use of operators to complete calculations in the R programming language
- Describe the fundamental concepts associated with programming in R including functions, variables, data types, pipes, and vectors
- · Install and load the tidyverse package

▶ Video: The gift that keeps on giving 4 min

- Use the browseVignettes("packagename") function to read through vignettes of a loaded package
- · Locate resources for help using R

∧ Less



Reading: Available R packages 10 min
▶ Video: Welcome to the tidyverse 6 min
Practice Quiz: Hands-On Activity: Installing and loading tidyverse 1 question
Practice Quiz: Test your knowledge on R packages 3 questions
Forder: No Education
Explore the tidyverse
▶ Video: More on the tidyverse 5 min
▶ Video: Working with pipes 9 min
(III) Reading: R resources for more help 10 min
▶ Video: Connor: Coding tips 5 min
Practice Quiz: Test your knowledge on the tidyverse 3 questions
Weekly challenge 2
Reading: Glossary: Terms and definitions 5 min
Quiz: Weekly challenge 2 8 questions Due Jul 26, 1:59 AM CDT Due Jul 26, 1:59 AM CDT

