What do you want to learn?

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Data Analysis with R Programming
Google

Overview

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Course Info

Week 1

Data Analysis with R Programming

Week 1

Discuss the topic here.

41 threads · Last post 21 minutes ago

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Programming and data analytics

G Google Career Certificates

R is a programming language that can help you in your data analysis process. In this part of the course, you'll learn about R and RStudio, the environment you'll use to work in R. You'll explore the benefits of using R and RStudio as well as the components of RStudio that will help you get started.

⌃ **Less**

Learning Objectives

- Compare and contrast the R programming environment and the RStudio programming environment
- Describe the RStudio programming environment including its components and benefits
- Describe the R programming language and its programming environment
- Describe programming languages and appropriate use including examples
- Download and install R assets to a computer
- Open R and execute a command
- Differentiate between the R Console and R programming environments
- Execute operations in R using mathematical operators such as +, -, *, and /
- Download and use RStudio Desktop
- Demonstrate how to complete basic tasks in R

⌃ **Less**

The exciting world of programming

▶ **Video:** Introduction to the exciting world of programming 6 min   **Resume**

▦ **Reading:** Course syllabus 10 min

</> Refresher: Your data analytics certificate roadmap 15 min

▦ **Reading:** The R-versus-Python debate 10 min

▦ **Reading:** Learning Log: Get ready to explore R 20 min

▶ **Video:** Fun with R 5 min

▶ **Video:** Carrie: Getting started with R 3 min

💬 **Discussion Prompt:** Meet and greet 10 min

Programming as a data analyst

▶ **Video:** Programming languages 5 min

▦ **Reading:** Ways to learn about programming 10 min

▦ **Reading:** From spreadsheets to SQL to R 10 min

▤ **Practice Quiz:** Self-Reflection: Ask a question 1 question

▶ **Video:** Introduction to R 6 min

▤ **Practice Quiz:** Optional Hands-On Activity: Downloading and installing R 1 question

Practice Quiz: Optional Hands-On Activity: R Console   1 question

Practice Quiz: Test your knowledge on programming languages   3 questions

Learn programming using RStudio

Video: Intro to RStudio   7 min

Practice Quiz: Hands-On Activity: Cloud access to RStudio   1 question

Practice Quiz: Optional Hands-On Activity: Get started in RStudio Desktop   1 question

Reading: When to use RStudio   10 min

Discussion Prompt: R&R...Studio!   10 min

Reading: Connecting with other analysts in the R community   10 min

Practice Quiz: Test your knowledge on programming with RStudio   3 questions

Weekly challenge 1

Reading: Glossary: Terms and definitions   5 min

Quiz: Weekly challenge 1   8 questions   Due Jul 19, 1:59 AM CDT