

Data Analysis with R Programming

Google

Overview

Week 1

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Grades

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Week 5

Data Analysis with R Programming

Week 5

Discuss the topic here.

28 threads · Last post an hour ago

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Documentation and reports



Google Career Certificates

When you're ready to save and present your analysis, R has different options to consider. In this part of the course, you'll explore R Markdown, a file format for making dynamic documents with R. You'll find out how to format and export R Markdown, including how to incorporate R code chunks in your documents.

Less

Learning Objectives

- Demonstrate an understanding of how to export R Markdown notebooks
- Incorporate R code chunks into R Markdown notebooks
- Use basic formatting in R Markdown to create structure and emphasize content
- Describe the R Markdown notebooks and their use to document R programming code
- Create and outline a structure for an R Markdown notebook
- Access and use a customized R Markdown template included in an R package
- Demonstrate an understanding of the uses of R Markdown templates

Less

Develop documentation and reports in RStudio

Video: Documentation and reports 2 min

Resume

Video: Overview of R Markdown 3 min

Reading: R Markdown resources 10 min

Reading: Optional: Jupyter notebooks 10 min

Video: Using R Markdown in RStudio 3 min

Practice Quiz: Hands-On Activity: Your R Markdown notebook 2 questions

Practice Quiz: Test your knowledge about documentation and reports 4 questions

Create R Markdown documents

Video: Structure of markdown documents 5 min

Discussion Prompt: Using R Markdown notebooks 10 min







Video: Meg: Programming is empowering 3 min

Video: Even more document elements 4 min



Practice Quiz: Test your knowledge about creating R Markdown documents 4 questions

Understand code chunks and exports

Video: Code chunks 6 min

-  **Practice Quiz:** Hands-On Activity: Adding code chunks to R Markdown notebooks 2 questions
-  **Video:** Exporting documentation 3 min
-  **Reading:** Output formats in R Markdown 10 min
-  **Practice Quiz:** Hands-On Activity: Exporting your R Markdown notebook 2 questions
-  **Practice Quiz:** Hands-On Activity: Using R Markdown templates 2 questions
-  **Practice Quiz:** Test your knowledge on code chunks 3 questions

Weekly challenge 5

-  **Reading:** Glossary: Terms and definitions 5 min
-  **Quiz:** Weekly challenge 5 8 questions Due Aug 16, 1:59 AM CDT

Course wrap-up

-  **Quiz:** Course challenge 13 questions Due Aug 16, 1:59 AM CDT
-  **Reading:** Coming up next...

