New Title

Test Author 1^1 Test Author 2^2

2020-06-15

 $^{^{1}\}mathrm{CSU},$ email@example.com $^{2}\mathrm{CSU},$ email@example.com

Contents

1	Wel	come!	5
2		rse Preliminaries	7
	2.1	Syllabus & Grading	7
	2.2	Running your first R Code	7
	2.3	What do you hope to get out of this course?	7
3	Inst	alling R	9
	3.1	Computer Basics	9
	3.2	Install R & R Studio	9
	3.3	Successfull Installation	9
	3.4	Running Code in RStudio Console	9
	3.5	Creating, Running, and Saving R Scripts	9
4	The	R Ecosystem	11
_	4.1	The R Programming Language	11
	4.2	The R Ecosystem	11
	4.3	R Modes and Interfaces	11
	4.4	Console vs. Scripts vs. RMarkdown	11
	4.5	The R Community	11
5	RР	rogramming Fundamentals	13
•	5.1	Cheat Sheet	14
	5.2	Programming Preliminaries	14
	5.3	Data Types	14
	5.4	Data Structures	14
	5.5	Practice	14
	5.6	R Objects	14
	5.7	Quiz	14
	5.8	Loading / Saving Data	14
	5.9	Downloading and Saving	14
	5.10	Working With Data	14
	5.11	Practice	14

4		CONTENTS

5.12 Basic Control Flow	 14
5.13 Advanced Control Flow	 14
5.14 Writing FUnctions	 14
5.15 Working With Popular Packages	 14
5.16 Assignment	 14

Welcome!

Hi, and welcome to the Intro to R course at CSU!

Course Preliminaries

- 2.1 Syllabus & Grading
- 2.2 Running your first R Code
- 2.3 What do you hope to get out of this course?

Installing R

- 3.1 Computer Basics
- 3.2 Install R & R Studio
- 3.3 Successfull Installation
- 3.4 Running Code in RStudio Console
- 3.5 Creating, Running, and Saving R Scripts

The R Ecosystem

- 4.1 The R Programming Language
- 4.2 The R Ecosystem
- 4.3 R Modes and Interfaces
- 4.4 Console vs. Scripts vs. RMarkdown
- 4.5 The R Community

R Programming Fundamentals

- 5.1 Cheat Sheet
- 5.2 Programming Preliminaries
- 5.3 Data Types
- 5.4 Data Structures
- 5.5 Practice
- 5.6 R Objects
- 5.7 Quiz
- 5.8 Loading / Saving Data
- 5.9 Downloading and Saving
- 5.10 Working With Data
- 5.11 Practice
- 5.12 Basic Control Flow
- 5.13 Advanced Control Flow
- 5.14 Writing FUnctions
- 5.15 Working With Popular Packages
- 5.16 Assignment