

C997 – Course 6 “Data Analytics: R for Data Analysts” (1cr)

○ **36hr/cr – 36hr (1wk) – 12pg paper/code (17hr) – 15hr Video Lectures – 4hr Textbook & Labs**

○ **Definition:** R for data analysts, statistical functions in R, manipulate data sets, graphical functions, programming.

○ **Course Setup / Plan of Action / Installation:** 2.75hr (1d) – 5/20 : 5/20

- DONE – 1.75 hr – Update this doc all over, close prior course + planning next
- DONE – 1.00 hr – Prepare my Course Study Plan by reviewing all materials and listing out below

○ **Instructor’s Recommended Pre-Training,** 4.00hr (1d) – 4.00hr Video – 5/21 : 5/21

- DONE – 1.50 hr – [LINK](#) – Introduction to Data Science (3h 41m @1x)
- DONE – 1.00 hr – [LINK](#) – R for Excel Users (1h 28m @ 1x)
- DONE – 0.75 hr – [LINK](#) – R Programming Data Science Setup Start, Mark Niemann-Ross (1h 42m at 1x)
- DONE – 0.75 hr – [LINK](#) – **Code Clinic R**, Mark Niemann-Ross (1h 18m at 1x)

Take 5 Videos from Dr. Sewell

- DONE – 0.25 hr – [LINK1](#), [LINK2](#) – R Language from the Beginning, Predict() Command in R

○ **Course Material (SmartAuthor), Labs & Quizzes, Take Notes,** 10.25hr (2d) – 7.50hr Video – 2.75hr Books – 5/22 : 5/23

Unit 1, Module 1 – 1.25hr, Reading=0.25hr, Video=1.00hr

- DONE – 0.25 hr – Read Module 1 Text
- DONE – 1.00 hr – [LINK](#) – LinkedIn Learning, Mike Chapple – Data Visualization in R with ggplot2 (2h 26m)

Unit 2, Module 2 – 6.75hr, Reading=1.50hr, Video=5.25hr

- DONE – 0.25 hr – Read Module 2 Text (Chapter 11)
- DONE – 1.25 hr – [LINK](#) – Martin Burger – Data Management and Preparation Using R (1h 59m)
- DONE – 0.50 hr – Read Module 2 Text (Chapter 5)
- DONE – 2.25 hr – [LINK](#) – PluralSight, Abhishek Kumar – R Programming Fundamentals (optional, so skim thru, 7h 0m)
- DONE – 0.75 hr – Read Module 2 Text (Chapter 4, 24, & 7)
- DONE – 1.75 hr – [LINK](#) – LinkedIn Learning, Barton Poulson – R Statistics Essential Training (5h 50m)

Unit 2, Module 3 – 1.25hr, Reading=0.75hr, Video=0.50hr

- DONE – 0.75 hr – Read Module 3 Text (Chapter 23, ~~24~~, ~~7~~, 3)
- DONE – 0.50 hr – [LINK](#) – PluralSight, Matthew Renze – Beginning Data Visualization with R (3h 1m) – skim b/c will google when need

Unit 2, Module 4 – 1.00hr, Reading=0.25hr, Video=0.75hr

- DONE – 0.25 hr – Read Module 4 Text (Chap 17, 2, 22)
- DONE – 0.75 hr – [LINK](#) – PluralSight, Matthew Renze – Data Science with R (2h 30m)
- SKIP – 0.00 hr – [LINK](#) – PluralSight, Matthew Renze – Exploratory Data Analysis (2h 30m) – too similar to above, not in course

The TextBook

- SKIP – 0.00 hr – [LINK](#) – Text Book (Already read 10 chapters as part of course, skim read TOC briefly for gaps)

○ **Supplemental Training to Course Materials,** 1.75hr (1d) – 1.25hr Training Videos – 0.50hr TextBooks – 5/23 : 5/23

R Manuals – Reading=0.25hr

- DONE – 0.05 hr – [LINK1](#), [LINK2](#), [LINK3](#), [LINK4](#), [LINK5](#), [LINK6](#) – R Manuals, skim read
- DONE – 0.10 hr – [LINK](#) – R Reference Guide (PDF)
- DONE – 0.10 hr – [LINK](#) – R Reference Guide

Other – Video=1.25 hr

- DONE – 0.15 hr – [LINK](#) – R Programming Language, Mark Niemann-Ross (~~3h 24m at 1x~~) **Skim**
- DONE – 0.10 hr – [LINK](#) – R Data Science Lunchbreak Lessons, Mark Niemann-Ross (~~7h 37m at 1x~~) **Skim**
- DONE – 0.75 hr – [LINK](#) – Cleaning Bad Data R, Mike Chapple (1h 54m at 1x)
- DONE – 0.25 hr – [LINK](#) – Data Wrangling in R, Mike Chapple (4h 12m at 1x) – heavy dup of prior training

Books – Reading=0.25hr

- DONE – 0.25 hr – [LINK1](#), [LINK2](#) – R Boot Camp (Slides, skim read), & How to Create a Data Frame from Scratch in R

○ **Performance Assessment (Project & Paper),** 17.50hr (1wk) – 17.5hr Writing Paper/Code – 5/23 : 5/26

- DONE – 1.00 hr – [LINK](#) – Read Course Chatter and add to Rubric start (notes)
- DONE – 4.50 hr – Prepare my own rubric (checklist of what must be done, sample code snippets captured during coursework, etc.)
- DONE – 0.25 hr – Install Environment
- DONE – 11.50 hr – Coding Project + Paper + Finalize + Submit