
Lesson 08 - Course Project and Small Group Review

Aug 1, 2016

Resources to Continue Learning R

Cheat Sheets

It can be helpful to keep sticky notes, cheat sheets, and digital/physical notebooks around you so that you can keep a record of what you have learned to do in R.

- [Base R Cheat Sheet](#)
- [Advanced R Cheat Sheet](#)
- [RStudio Cheat Sheet](#)
- [Data Wrangling Cheat Sheet](#)
- [Data Visualization Cheat Sheet](#)

Other R topics

- Developing R Packages:
 - [Package Development Cheat Sheet](#)
 - [R Packages Book](#)
 - Making Interactive Visualizations:
 - [Shiny Cheat Sheet](#)
 - [RStudio Shiny Website](#)
 - [Shiny Dashboards](#)
 - Authoring Documents and Authoring Books:
 - [RMarkdown Cheat Sheet](#)
 - [RMarkdown Bookdown](#)
 - R Presentations
 - [R Presentations using R Studio](#)
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Courses at UNC

Here are a few examples of R and Programming courses/modules for biomedical researchers at UNC.

- Introduction to Data Analysis and Statistics with R ([GNET 743](#) and [here](#))
- Introduction to Statistical Modeling ([BCB 720](#) and [here](#))
- UNIX and Perl for Biomedical Researchers ([GNET 742](#) and [here](#)). *These go over the important [UNIX](#) environment and [Perl](#) scripting, which you can use in conjunction with running R.*

For more in-depth treatments of R, programming, and statistics, you might consider searching for courses offered through the Genetics Department (GNET), the Biostatistics Department (BIOS), the Computer Science Department (COMP), and/or the Statistics and Operations Research (STOR) Department at UNC. There is also a Bioinformatics and Computational Biology Certificate available at UNC, with details listed [here](#).

Online Courses

There are many online resources for learning R and “Data Science”.

- [Introduction to R Data Science @ EdX](#)
- [R Programming @ Coursera](#)
- [Lessons for Python and R @ Data Camp](#)
- [Data Camp Videos @ YouTube](#)
- [R Bootcam @ Leada](#)
- [R Studio Links for Learning R](#)

Wrapping Up

You survived! Just remember:

“Give a man a program, frustrate him for a day. Teach a man to program, frustrate him for a lifetime.”

— *Waseem Latif*

and

The most disastrous thing that you can ever learn is your first programming language.

— Alan Kay

(Source: [Goodreads](#))

Practice coding. Ask questions. Seek help. Learn. Have fun!

Repeat.

Good Luck, and thanks for being a part of our small group!

HtLtC - An Introduction to R

 [maurziopaul](#)

 [kutchko](#)

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Teaching resources for How to Learn to Code
(UNC-Chapel Hill, Summer 2016)