

# Introduction to Statistical Computing - STAT 445/645

## DataCamp modules

Fall 2018—DMSC 106—Mon,Wed 2:30pm - 3:45pm

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**Instructor:** A. Grant Schissler    **Contact:** [aschissler@unr.edu](mailto:aschissler@unr.edu), 775-784-4661 (office)  
**Office:** DMSC 224    **Hours:** Tue 2:30pm-3:30pm, Wed 1:30pm-2:20pm, or by appointment

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### DataCamp modules

Week	Required	Supplementary
1	Introduction to R	Working with RStudio I, II; Reporting in RMarkdown; Introduction to Git
2	Intermediate R	
3	Writing functions in R	
4	Writing efficient R Code	Parallel Programming in R
5	Intermediate R - practice	
6	Importing Data in R (Part 1)	Importing Data in R (Part 2)
7	Cleaning data in R	Data manipulation in R with DPLYR
8	Exploratory Data Analysis in R	Introduction to the TIDYVERSE; Working with data in the TIDYVERSE
9	Data visualization with GGLOT2 Part I	ggplot2 Part II, III; Data visualization in R; Data Visualization in R with lattice
10	Importing & cleaning data in R - Case Studies	
11	Foundations of probability	
12	Foundations of inference	
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