

Lecture	Lab/Assignment
Introduction and Setup	R and RStudio Set-Up
R Language Part I	
Data Queries and Manipulation	A1
Working with Strings and Factors	
R Language Part II	A2
Data Summarization and Statistics	A3
R Markdown	A4
Graphs with ggplot2 Part I	A5
Graphs with ggplot2 Part II	A6
Tables with gt	A7
Working with Spatial Data in R	
Maps with tmap	A8
Additional Map Examples	
Interactive Maps with Leaflet	A9
Vector-Based Spatial Analysis	A10
Raster-Based Spatial Analysis	A11
Raster-Based Spatial Analysis (terra)	A12
LiDAR and Image Analysis	A13
Machine Learning Background	
Regression and Diagnostics	A14/A15
Random Forests in R	A16
Machine Learning with caret	A17/A18/A19
Machine Learning with tidymodels	A20
Wrap Up	