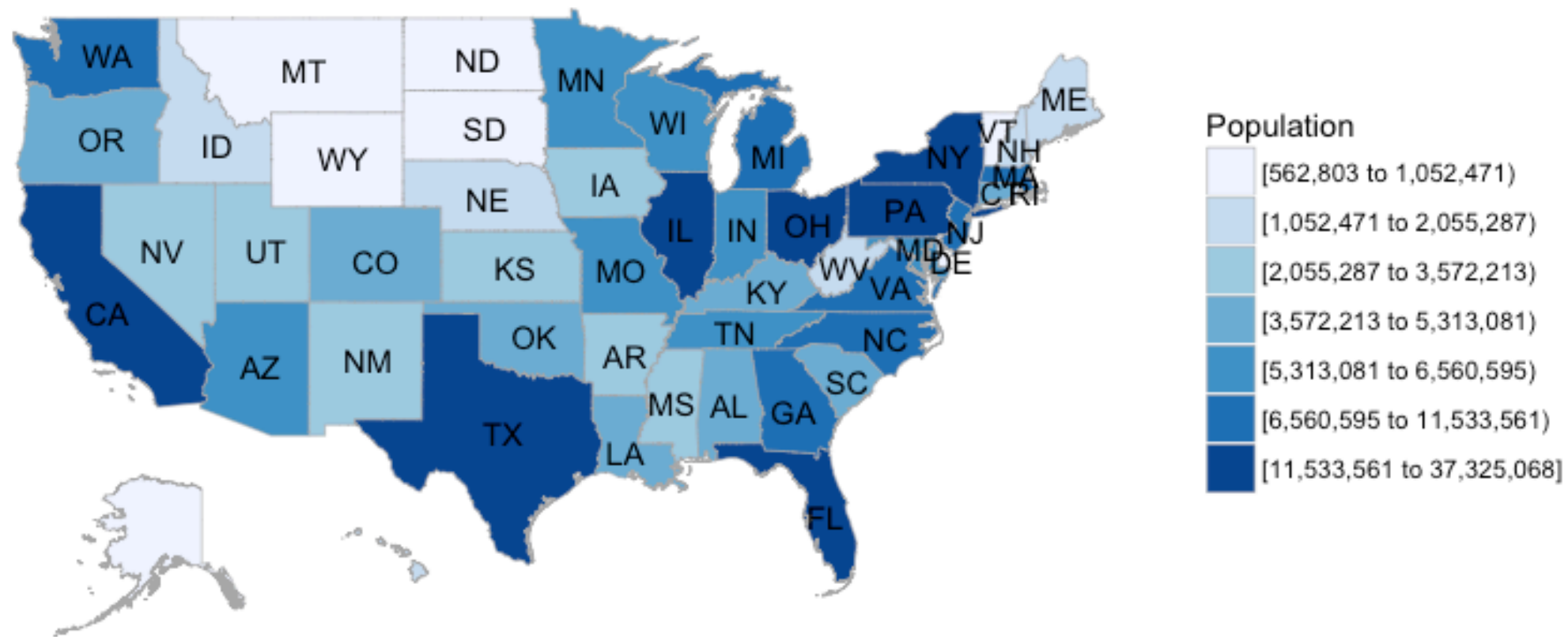


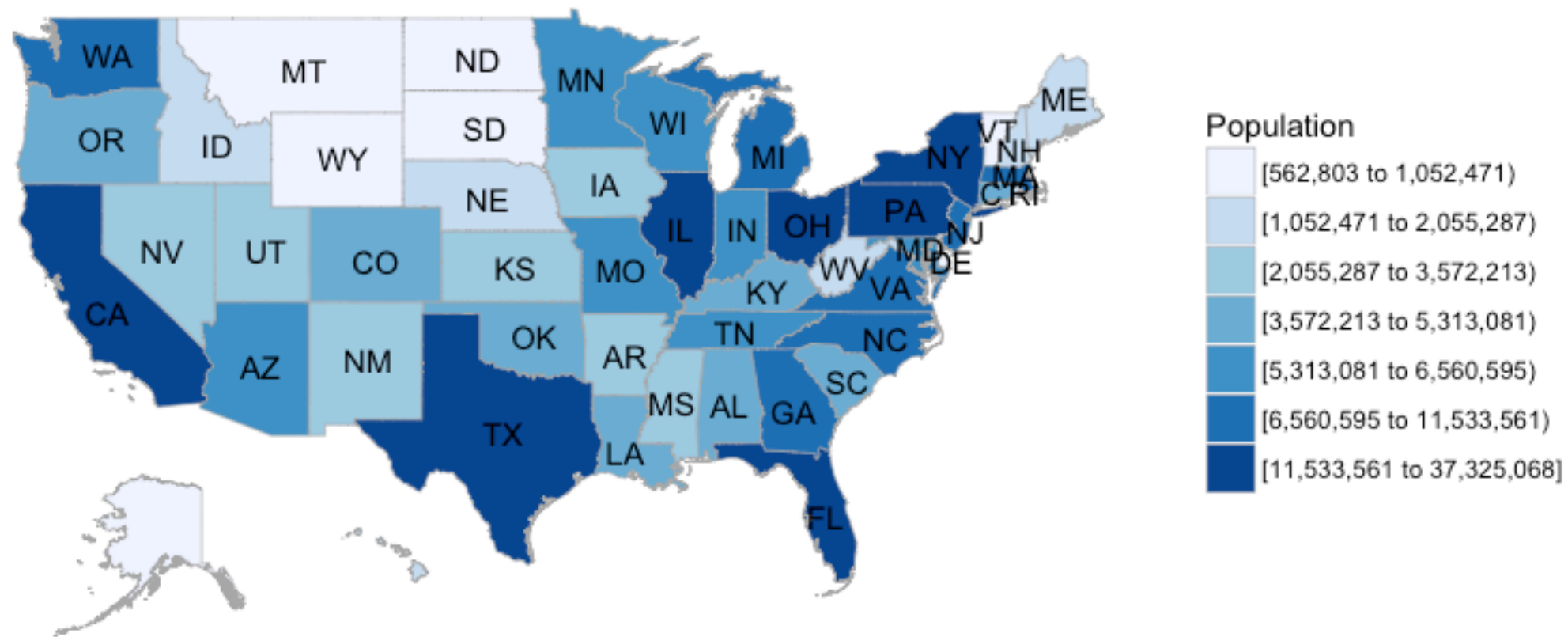
2012 State Population Estimates



Mapping ACS Data in R with Choroplethr

Ari Lamstein

2012 State Population Estimates



Choroplethr creates **choropleth maps** in the **R programming language**

Module 1: Introduction

- Introduction
- Installing R
- Installing RStudio
- Installing Choroplethr

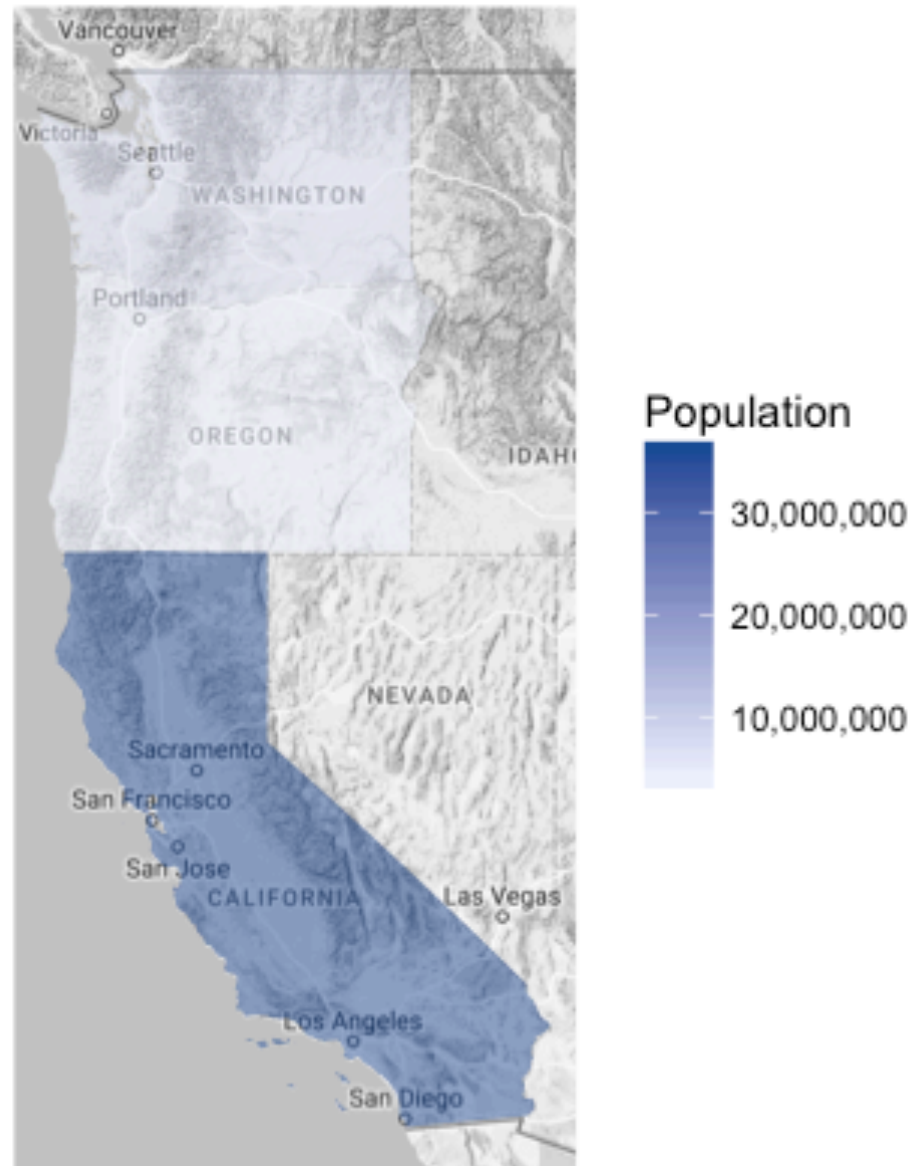
2012 State Population Estimates

Population

[562,803 to 1,052,471)
[1,052,471 to 2,055,287)
[2,055,287 to 3,572,213)
[3,572,213 to 5,313,081)
[5,313,081 to 6,560,595)
[6,560,595 to 11,533,561)
[11,533,561 to 37,325,068]

Module 2: Choroplethr Basics

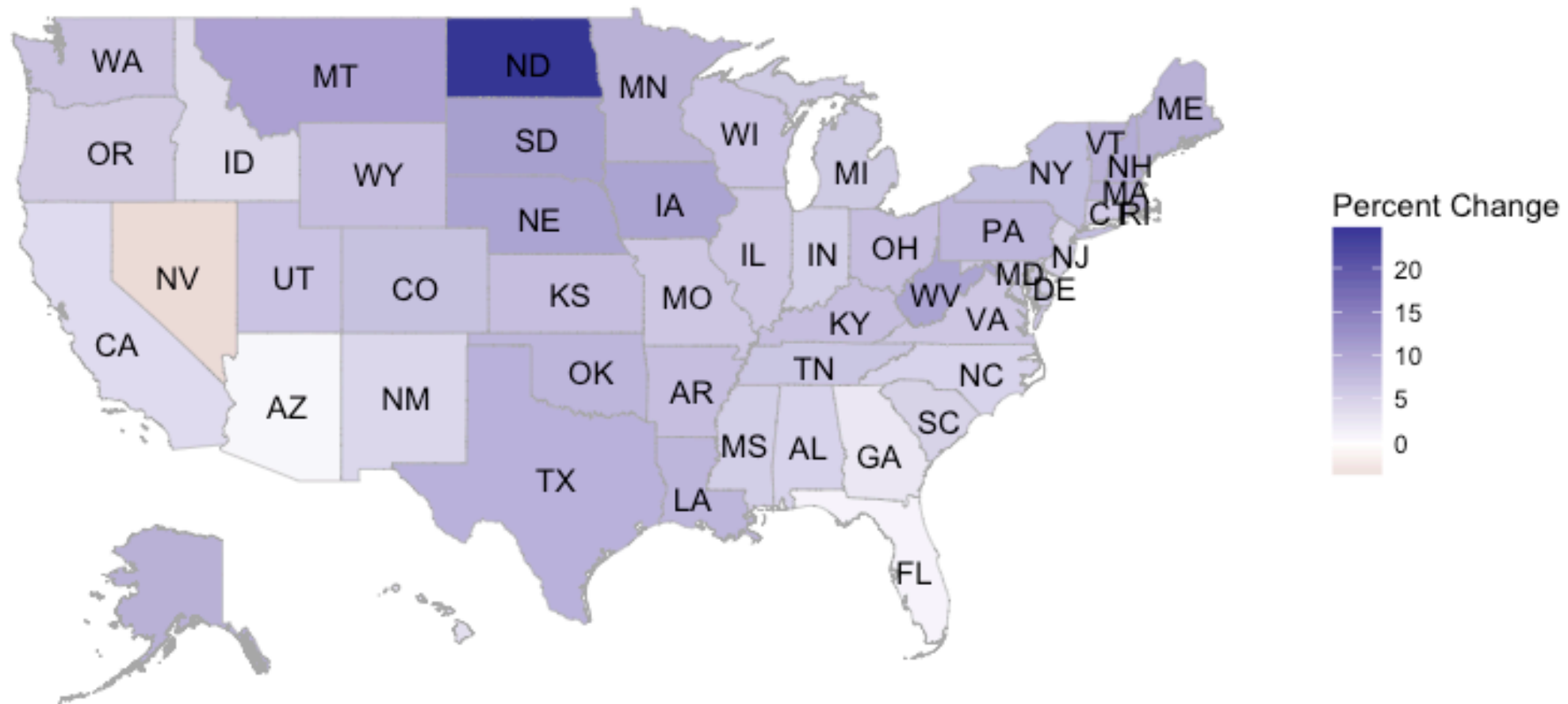
2012 State Population Estimates



Module 2: Choroplethr Basics

Zoom, Scale and Reference Map

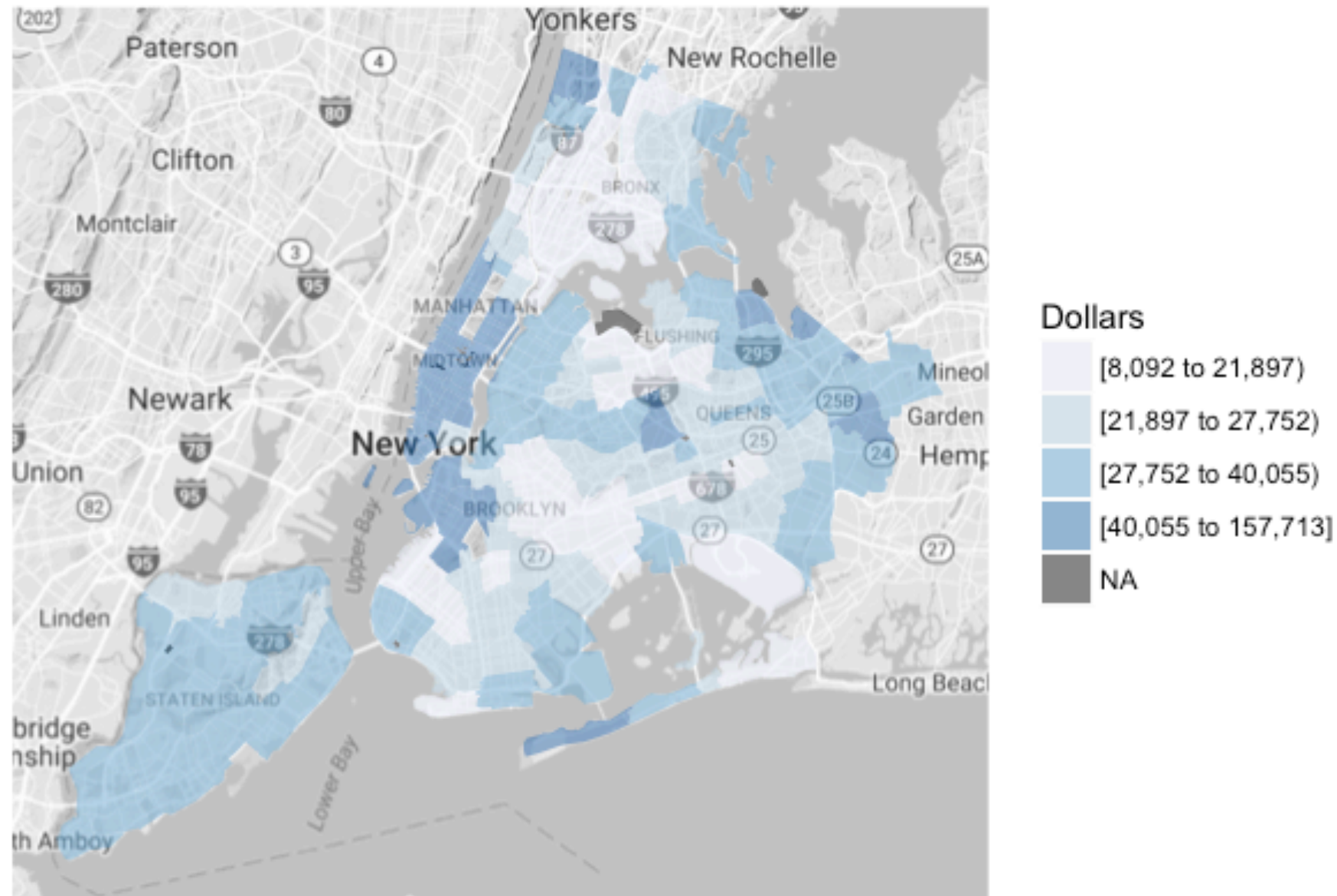
Percent Change in Estimated Per-Capita Income, 2010-2015



Module 3: **Variables** and **Vintages**

Percent Change

2012 New York City ZCTA Per-Capita Income Estimates



Module 4: Learning More

Module 1: Introduction

- Introduction
- **Installing R**
- Installing RStudio
- Installing Choroplethr

Installing R

- Visit <https://www.r-project.org>
- Visit <https://cloud.r-project.org/>

Module 1: Introduction

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Installing RStudio

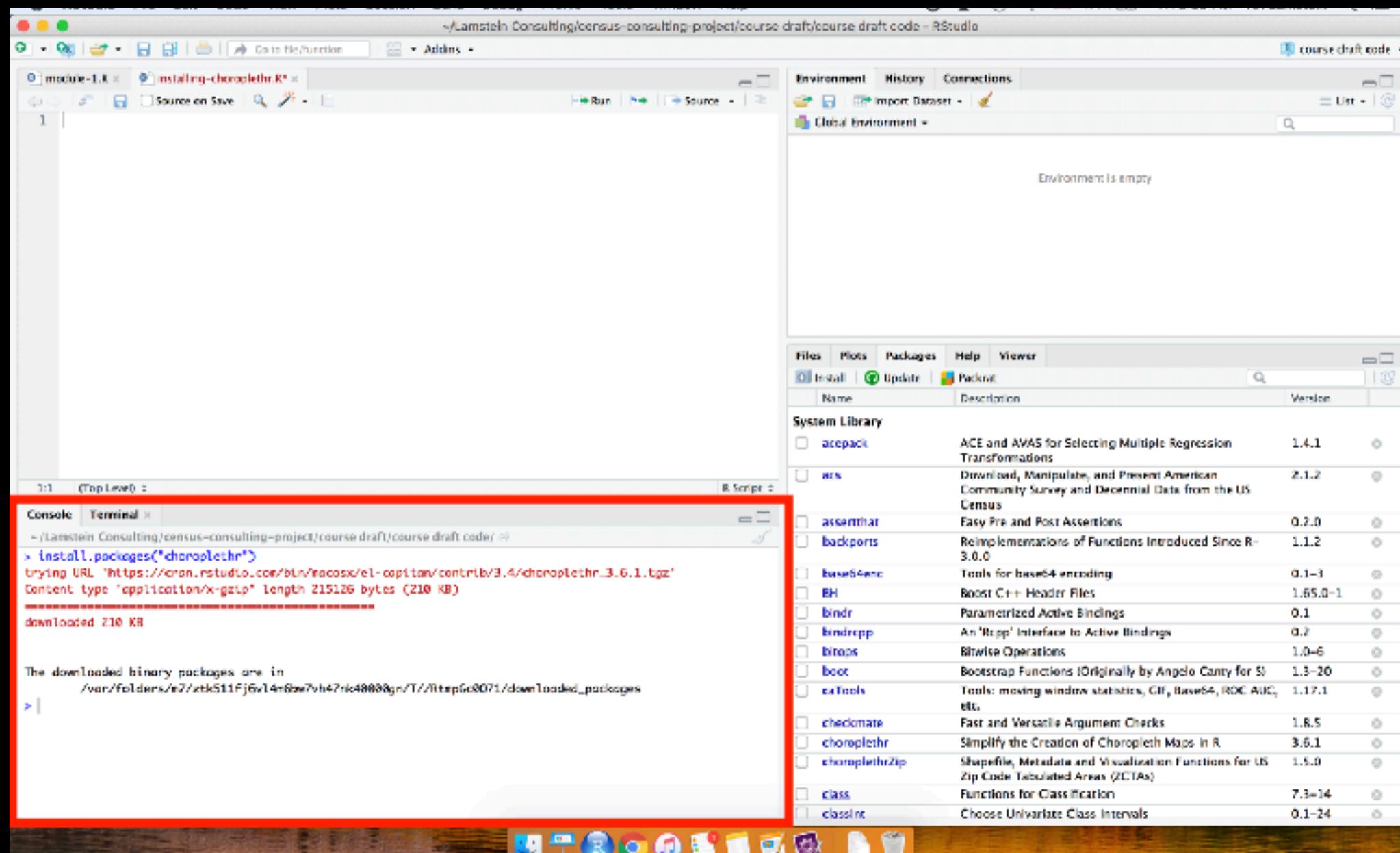
- Visit <https://www.rstudio.com/>

Module 1: Introduction

- Introduction
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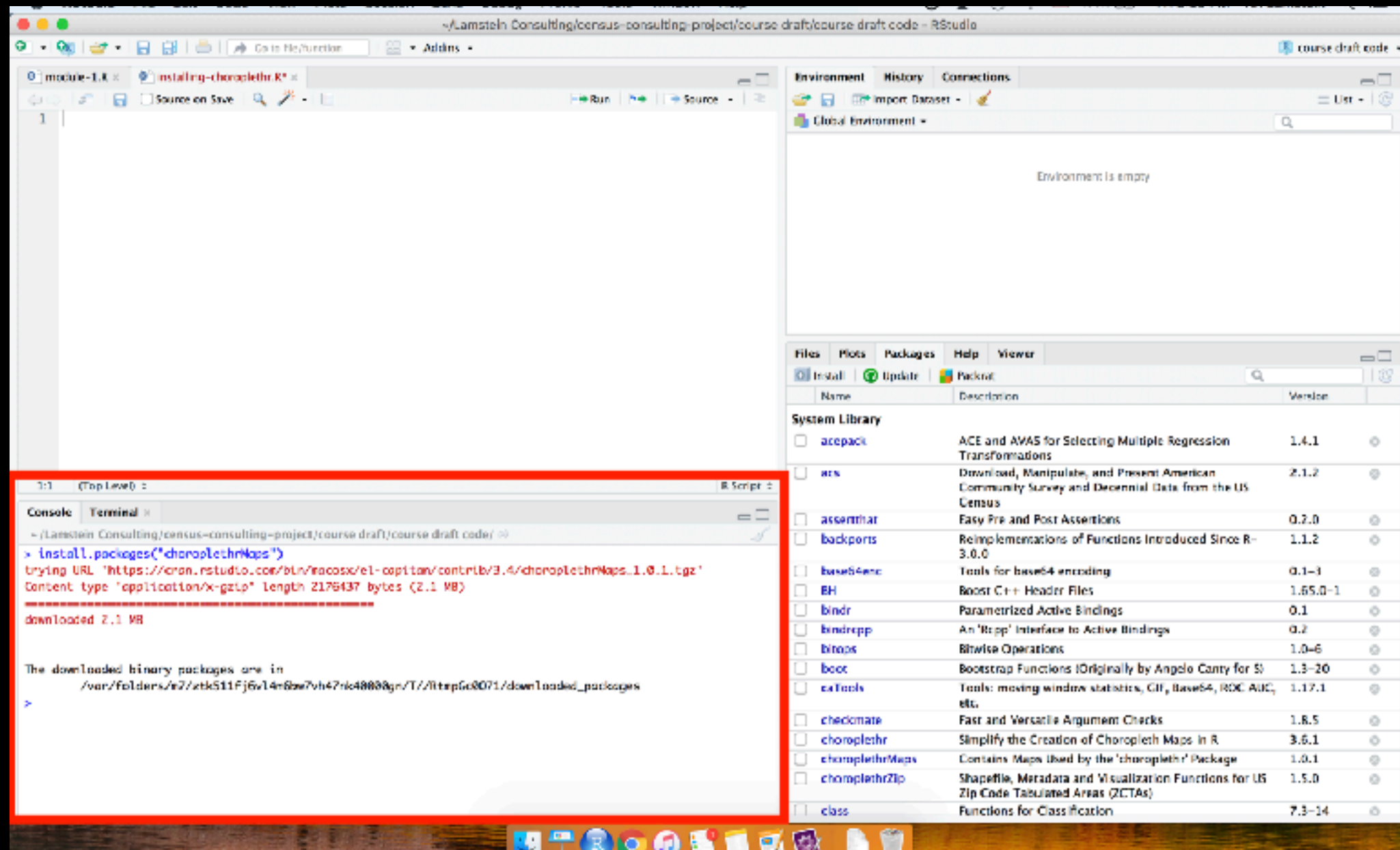
If you already know R ...

- Type `install.packages("choroplethr")`
- Then type `install.packages("choroplethrMaps")`



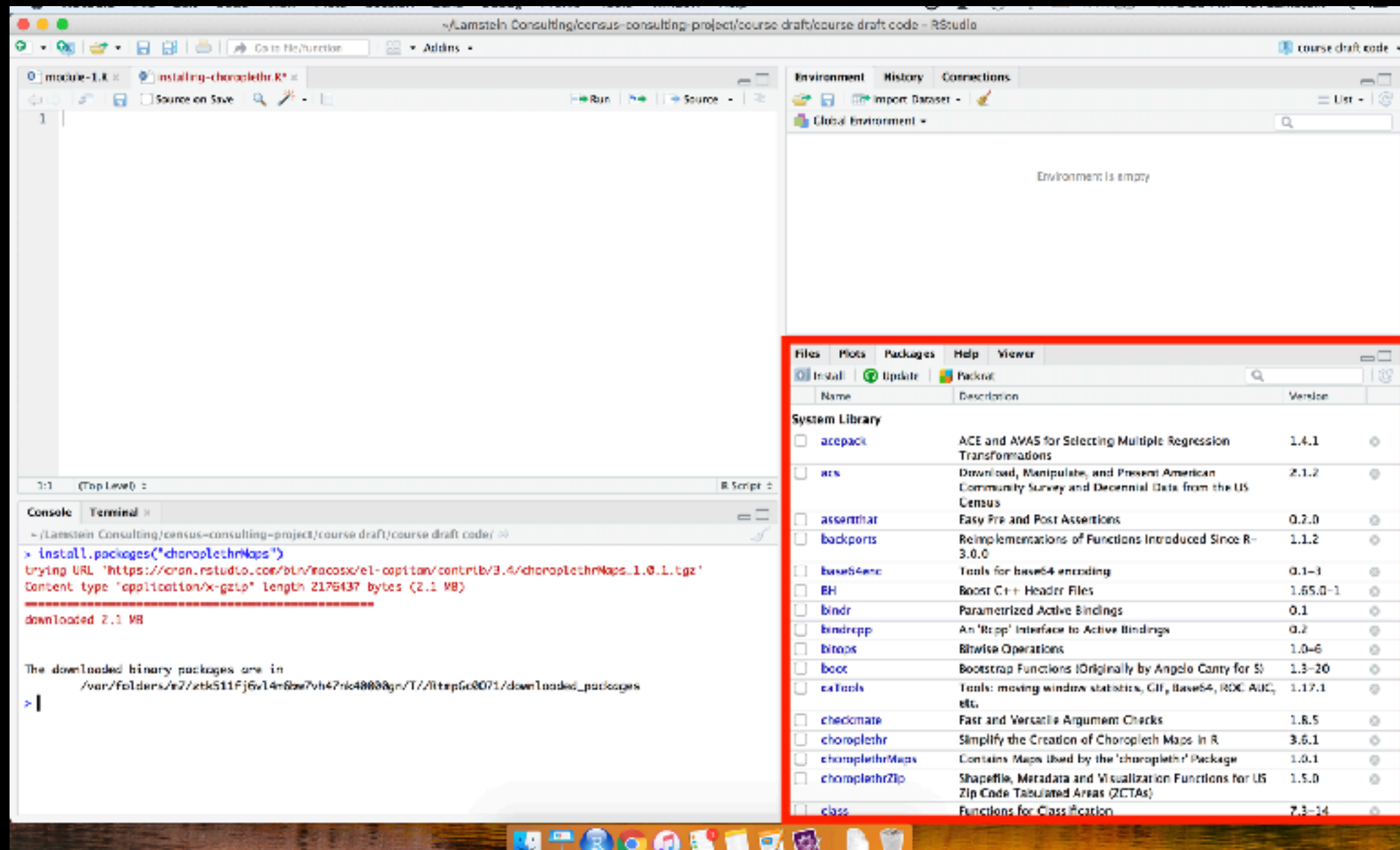
Where to type it

`install.packages("choroplethr")`



Where to type it

`install.packages("choroplethrMaps")`

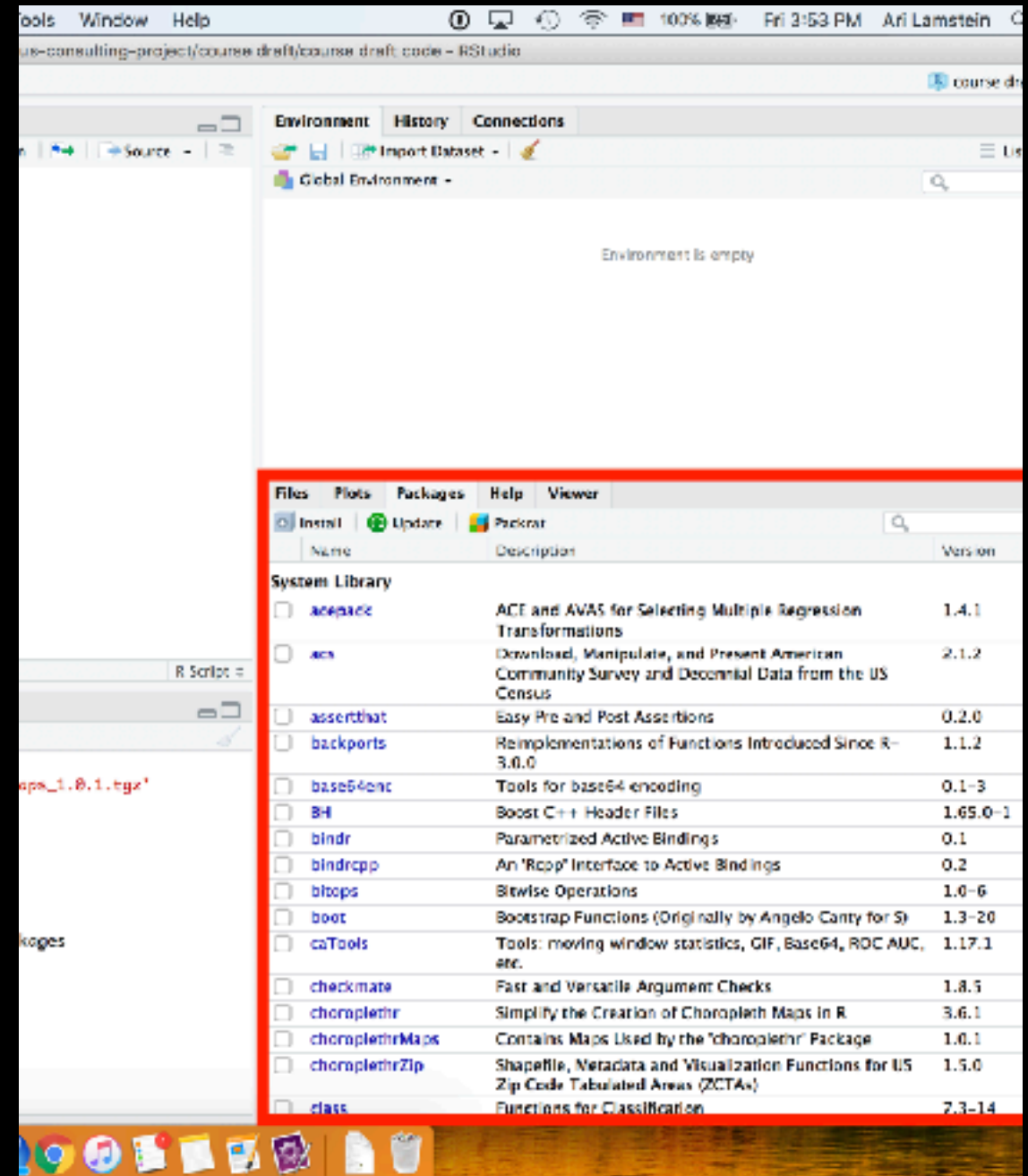


Verify that it works

Find “choroplethr” in the Packages pane

Comparing Versions

- I'm using:
 - R 3.4.3
 - choroplethr 3.6.1
 - choroplethrMaps 1.0.1
- Type **R.Version()**



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