

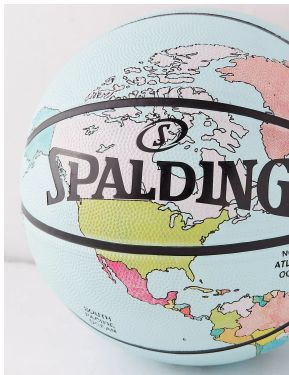
# Lecture 21

## Choropleths

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DATASCI 112

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1 Choropleths

2 A Choropleth Mystery



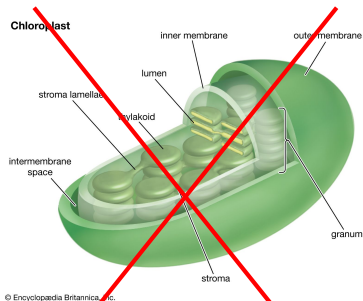
## 1 Choropleths

## 2 A Choropleth Mystery

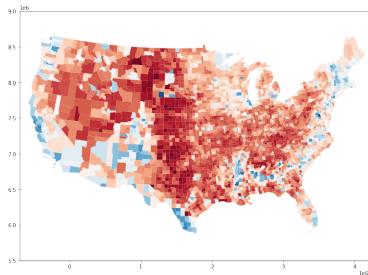


# What is a Choropleth?

A **choropleth** is a map where each region is colored according to some statistic.



chloroplast



choro + pleth  
“region” + “many”



# Making Choropleths

Let's make a choropleth of kidney cancer death rates by U.S. county.



# Seeing Patterns

- Humans have evolved a remarkable ability to see patterns...
- ...even when there are none.
- Statistics is a science that helps us disentangle real patterns in data from noise by:
  - quantifying the **signal** in a pattern
  - quantifying the **noise**.
- Take a statistics class during your college years!  
(DATASCI 112 is not a statistics class!)

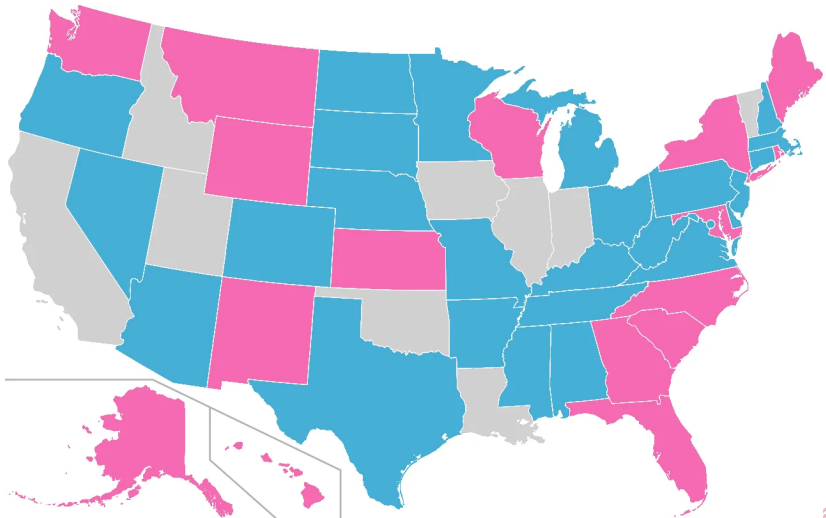


1 Choropleths

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What is this a choropleth of?



In the optional Lab 6B, you will recreate this choropleth.

