

# **GEOG 491/891: Special Topics - Spatial Analysis in R**

**Week 11.02: Mapping in R**

**Dr. Bitterman**

# Today's schedule

- Open discussion
- Mapping activity continued

**Anything to discuss? Questions?**

# Remaining topics

- Week 11: Making maps (Intro lab 4)
- Week 12: Interactive mapping (Intro lab 5)
- Week 13: Applications
- Week 14: Thanksgiving week
- Week 15: Applications
- Week 16: Project presentations

# Let's talk more about weeks 13, 14, and 15

## Week 13 and 15 options:

- Students' preferences/interests
- Free time to work on projects (I'll still be in the classroom)
- "Seminar" (readings + discussion)
- More "code breakdown"-type of activities (group or individual)

# We're building the "franken-map" today

- Break into your groups
- Briefly (~15 minutes) finish your group tasks
- I'll convene the class - you'll work together to make your franken-map

## **Group tasks (reminder)**

# The frankenmap must include:

## Group 1 - State Scale

- Nebraska counties, symbolized (filled) by some variable of interest
- Borders between counties symbolized using something other than the defaults
- A scale bar



# The frankenmap must include:

## Group 2 - Lancaster County

- Municipal boundaries within Lancaster County, with labels for names
- State parks in Lancaster County, symbolized using a non-default symbol
- 303d streams in Lancaster County, symbolized differently by "impairment"

# The frankenmap must include:

## Group 3 - "Makin' it pretty"

- Use the DEM to plot elevation behind a semi-transparent Lancaster County (will need to convert in ArcGIS Pro)
- Code to make Group 1's code (all of NE) an inset in group 2's Lancaster County
- A north arrow
- A title

# Group assignments

- Group 1: Jason, Uzma
- Group 2: Bailey, Kun-Yuan
- Group 3: Andy, Iksoon, Kidus

**So what's the purpose of all of this?**

## For this week

- Readings posted on Canvas
- Practice, practice, practice
- Work on your projects