GOALS

- Create a Google Map with point data generated by students/workshop participants.
- Gain understanding of spatial data concepts:
  - XY Coordinates and generating point data
  - Spatial analysis of gaps and clusters
  - Contextualization and interpretation of spatial data
We’ll use Google Maps
Low barrier for students
Need Google account and access to a computer with internet access.
EXERCISE SET-UP

- Login to Google
- Go to maps.google.com
- Click Menu to the left of search bar
- Choose Your Places → Maps → Create Map
- Click Share & make sure Anyone can Edit.
- Add link to your IU Box account & make custom link
INSTRUCTIONS FOR YOUR CLASS

Workshop Steps

- Go to:

  https://iu.box.com/v/classroommapexercise

  Redirects to a Google Map

- Students need to make sure they are signed in to Google

- Students will click “Edit” at top of map
INSTRUCTIONS FOR YOUR CLASS

Tell students:

- In your phone or computer, go to Photos → Albums → Places
- Find the photo that makes you happiest.
- Save to your favorites so it’s easy to find again.
FINDING THE COORDINATES

- **Using Google Maps:**
  - Open a new map on maps.google.com
  - Click on the map, where your photo was taken, and look at the information on the pop-up.
  - The coordinates in **decimal degrees** are in gray.
FINDING THE COORDINATES

- **Using Your Phone’s Metadata:**
  
  If you want **precise coordinates**, go to:  
  http://exif.regex.info

- **Works best from your phone.**

- **Upload your photo and look for the Location data.**

- **We’re looking for the coordinates in decimal degrees.** (Circled in red)
ADDING THE POINT TO GOOGLE MAPS

- Type the Decimal Degree Coordinates into the Google Map search bar.
  - **Option 2:** type in the location of your photo as if you were looking for directions, e.g. “IU Herman B Wells Library.”

- Make decisions about the color and iconography of your point.

- Add your photo to the map point, if you’d like.
  - Easiest way for Macs: drag the photo from your Photos application to your desktop and import it from there.
What spatial information have we discovered by creating this visualization?
- Unexpected or unexplained gaps or clusters?

Consider the parameters of the assignment.
- Photos from Bloomington? IU Campus? Anywhere?
- How would we map a timeline, narrative or experience?