GEOG 5201 Geovisualization
Lab 9: Story Maps

ArcGIS Story Maps is a web-based application that enables you to share your maps in the context of narrative text and other multimedia content without coding. In this lab, you will create a map tour and complete a story map using ArcGIS Story Maps. A tutorial about story maps can be found here.

Example story maps

1. Los Angeles County Homelessness & Housing Map
1. Crowded skies, expanding airports
2. The Impact of COVID-19 on Domestic Violence Rates
3. Smart Transportation in Uptown Innovation Corridor (Cincinnati)
4. Minnesota Dams (2021 Competition High school awardee)

Part 1: Map Tour (Unguided)

The objective of this exercise is to create a map tour showing some key events or important places, using data that is of interest to you.

Potential topics

1. Introduce locations in a city
   o Historical buildings
   o Tourist destinations
   o Facilities relevant to health care, traffic control, environmental conservation
2. Present damaged places due to natural disaster and collective efforts being made
3. Create a timeline of key events related to COVID-19 (e.g., lockdown, reach 1,000 cases a day, strike for BLM)

Activities

Consider what types of geographic information can be more effectively addressed when they are accompanied by media and short descriptions. Create a map tour showing some key events or important places using such data

- Make sure your map tour
  o Includes More than 5 slides
  o Includes location, media, title, and narrative text for each slide
  o Includes a note about the data source for each media
  o Set the initial zoom level to your data

Tips

1. Browse and collect images and videos from the internet

2. Create a new story
   a. Visit ArcGIS StoryMaps and sign in using organization's URL (ohiostate)
   b. Click New story
   c. When you move your mouse to the main text part, the "+" button appears. Click it and add a Map tour

3. Add location, media, and narrative text to the slide
   a. Refer to this page for detailed functions: Add map tours—ArcGIS StoryMaps | Documentation
   b. Arrange the order of slides and change panel size as you want

4. Save the map tour

Assignment

Note: Submit your responses to the following questions on the course website. Be sure to have all your answers and file(s) ready before starting your submission. You are allowed only one attempt to submit your responses.

1. (5 pts) Describe the following items in 200 words: your data source, how you create the map tour, and your findings from the map tour.

2. (5 pts) Input the link to your map tour here.

Part 2: Story Map (Unguided)

In this exercise, you will create a story map to showcase some of your preferred lab outputs. You are expected to select some outputs from previous labs in this course and create a narrative out of them using story maps.

Activities

Create a story map such that readers will experience a "guided discovery" from your previous lab work, assuming that it will be posted on the department blog.

- You will find it easy to insert lab outputs saved in ArcGIS Online. They must be saved under your account
  o *.gif (output of lab 7) needs to be saved in *.mp4 format and uploaded to YouTube or Vimeo
  o *.png (output of lab 5) can be inserted as an image

- Make sure your map tour includes the following elements
  o Text
    ▪ Introduce the purpose of your story map in the introduction section
    ▪ For each map you contain, add a subheading and explain what the map implies (e.g., describe geographical patterns that you want to emphasize)
  o Maps
    ▪ Include at least three lab assignments that you have submitted throughout the semester (having all of them is allowed, unless they disrupt your narrative)
    ▪ Indicate data source for each map
  o Other elements
    ▪ Name the title (make it like a news article title. DO NOT use "GEOG 5201 final")
    ▪ Change a cover image to captivate your readers
    ▪ (optional) Create a new table or a new graph to back up your narrative

- (optional) Insert photos or videos from the internet

Assignment

Note: Submit your responses to the following questions on the course website. Be sure to have all your answers and file(s) ready before starting your submission. You are allowed only one attempt to submit your responses.

1. (5 pts) Describe the following items in 200 words: your data source, how you create the story map, and how can it be improved.

2. (5 pts) Input the link to your story map here.