

- Topic
 - a. UFO Sightings
- Rationale
 - a. Fun
 - b. We thought that the map on <https://nuforc.org/> should have layers or toggles or other filters for the more curious users to find patterns.
 - Question: Do any patterns change when filters are applied to markers? Do any patterns remain the same when filters are applied to markers?
 - c. It is a solid source meeting all requirements.
- Dataset: CSV from Kaggle
 - a. Example of Metadata from Oct., 2024

NUFORC Reports for Month 202410

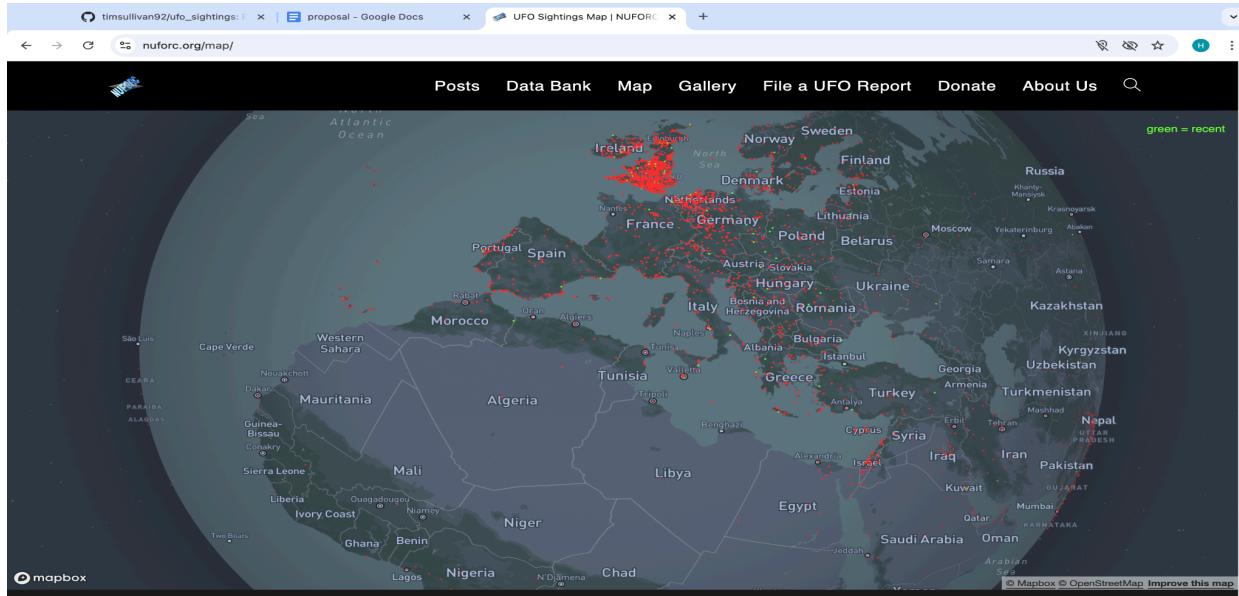
Search:

| LINK | OCCURRED | CITY | STATE | COUNTRY | SHAPE | SUMMARY | REPORTED | MEDIA | EXPLANATION |
|----------------------|------------------|--------------|---------------------|----------------|-----------|---|------------|-------|-------------|
| Open | 10/14/2024 23:04 | Bixby | OK | USA | Light | Extremely high lights in a triangular formation | 10/14/2024 | | |
| Open | 10/14/2024 19:14 | Georgetown | TX | USA | Cigar | Noticed the trail in the sky so got my phone out and zoomed in and took the photo. | 10/14/2024 | Y | Aircraft |
| Open | 10/14/2024 14:50 | Pittsburg | KS | USA | Changing | White flashing circle (?) | 10/14/2024 | Y | Balloon |
| Open | 10/13/2024 21:33 | Broken Arrow | OK | USA | Triangle | Faint white line, in the shape of a wide V, silent, flying from north to south at approximately 5k feet | 10/13/2024 | | |
| Open | 10/13/2024 23:58 | Alva | FL | USA | Light | Very slowly moved across the sky for about 5 seconds, stopped for 20, slowly got dim, then abruptly flew away and disappeared. | 10/13/2024 | | |
| Open | 10/13/2024 20:45 | Laurel | MD | USA | Light | White circular orb/sights in sky | 10/13/2024 | Y | Aircraft |
| Open | 10/13/2024 17:53 | Batumı | Adjara | Georgia | Oval | One object, metallic colour, was moving slowly above the sea, far in the sky, above the planes and clouds. | 10/13/2024 | Y | Searchlight |
| Open | 10/12/2024 13:30 | Urbana | IL | USA | Rectangle | It was hovering then shot up and disappeared. | 10/12/2024 | | |
| Open | 10/11/2024 22:35 | Lödö | Województwo Śląskie | Poland | Other | The object in the shape of a V moving slowly above the building. | 10/12/2024 | | |
| Open | 10/11/2024 20:00 | Norwalk | CT | USA | Orb | Two orbs of light at a fixed distance apart, too far to be a plane's wing tips - descending/gliding away from any airport into a valley | 10/12/2024 | | |
| Open | 10/11/2024 19:30 | Thorndon | England | United Kingdom | Formation | Formation very fast. | 10/12/2024 | | |
| Open | 10/11/2024 19:15 | Vilonia | Arkansas | United States | Orb | This has showed up 3 nights in a row along with a flash of light in another area. | 10/14/2024 | | |

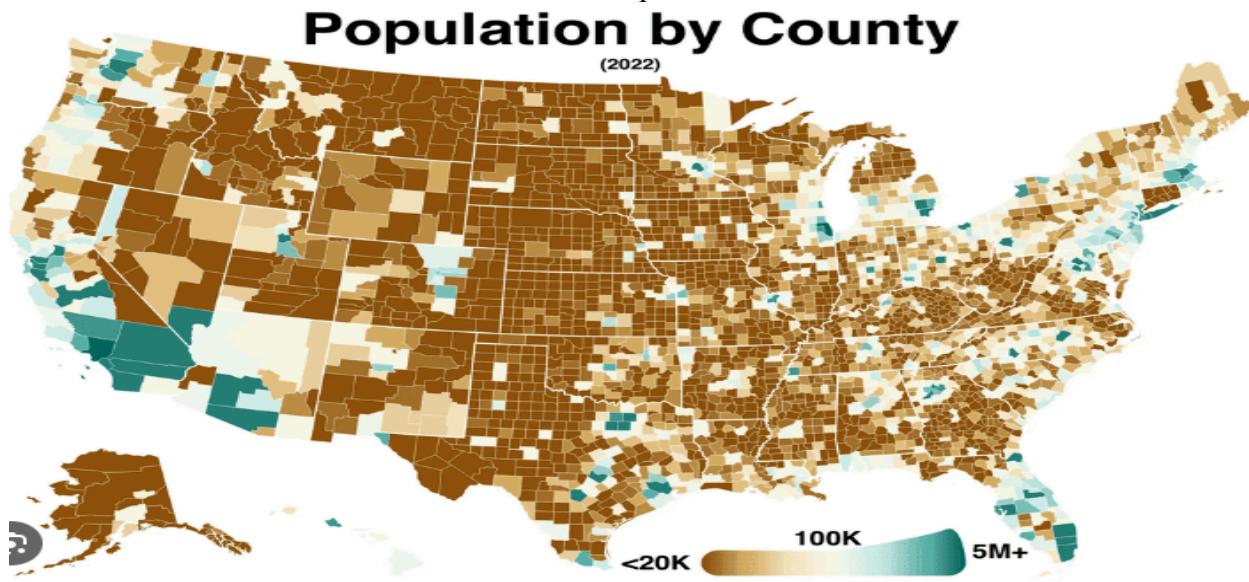
(Source: <https://nuforc.org/subndx/?id=e202410> from Tim)

- Inspiration/Sketches:

1. Our inspiration is <https://nuforc.org/map/> (which uses OpenStreetMap and is zoomed out, enough to see the entire globe). Users can interact with it by zooming in, clicking on markers to see popups with brief descriptions and links to further details; but more curious users are unable to find any patterns since there are no filters for the markers.

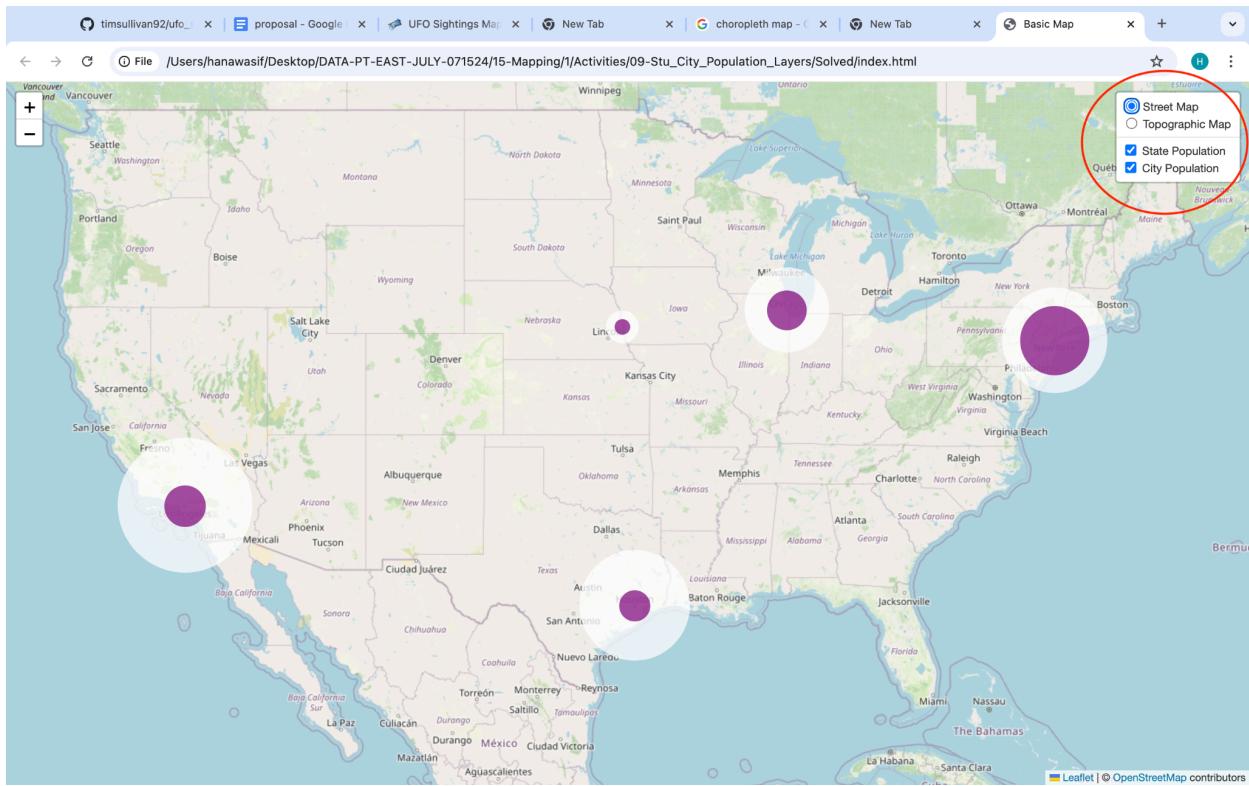


- To safeguard against scope creep, we'll focus our sketch on UFO sightings in the U.S., only. It makes sense, too, since most reports before 1995 were received through the U.S.'s mail. We may have views of the map as (1) a heatmap to emphasize how frequency of reports vary across regions or (2) a choropleth to show the same thing by county.
 - Choropleth: Our current dataset is divided by city, so we will need to find a dataset which can be our cross-reference for which cities belong to which county. In our ERD, our current dataset will be the child, and our cross-reference will be the parent.



Source: <https://nuforc.org/subndx/?id=e202410> from Tim)

3. We are thinking about including our 3 views of our final visualization in 3 layers or toggles or other filters.



(Source: Module #15's 1st Day's 9th Activity)

- Link to Repository
 - https://github.com/timsullivan92/ufo_sightings
- Tasks in Chronological Order
 - Tim
 - GitHub
 - Cameron
 - Finding dataset
 - Hana
 - Submitting proposal
 - Cameron
 - Cleaning data for only U.S.'s data
 - Rebekah and Hana
 - Storing data in database
 - ERD for current dataset and cross-reference
 - Hana
 - HTML
 - Tim and Jordan
 - Map for the U.S. with (1) baseLayer and (2) overlays with toggles
 - Hana
 - Choropleth
 - All Members
 - Add any audio or visual effects with a Javascript library which we haven't covered in class.
 - Ask teaching assistants for a Javascript library which we haven't covered in class.
 - Cameron
 - Edit README with (1) an overview of the project and its purpose, (2) references for the data source(s), and (3) references for any code used that is not your own.
 - Tim
 - Edit README with instructions on how to use and interact with the project.
 - Hana
 - Edit README with at least one paragraph summarizing efforts for ethical considerations made in the project.
 - All Members
 - Presentation