

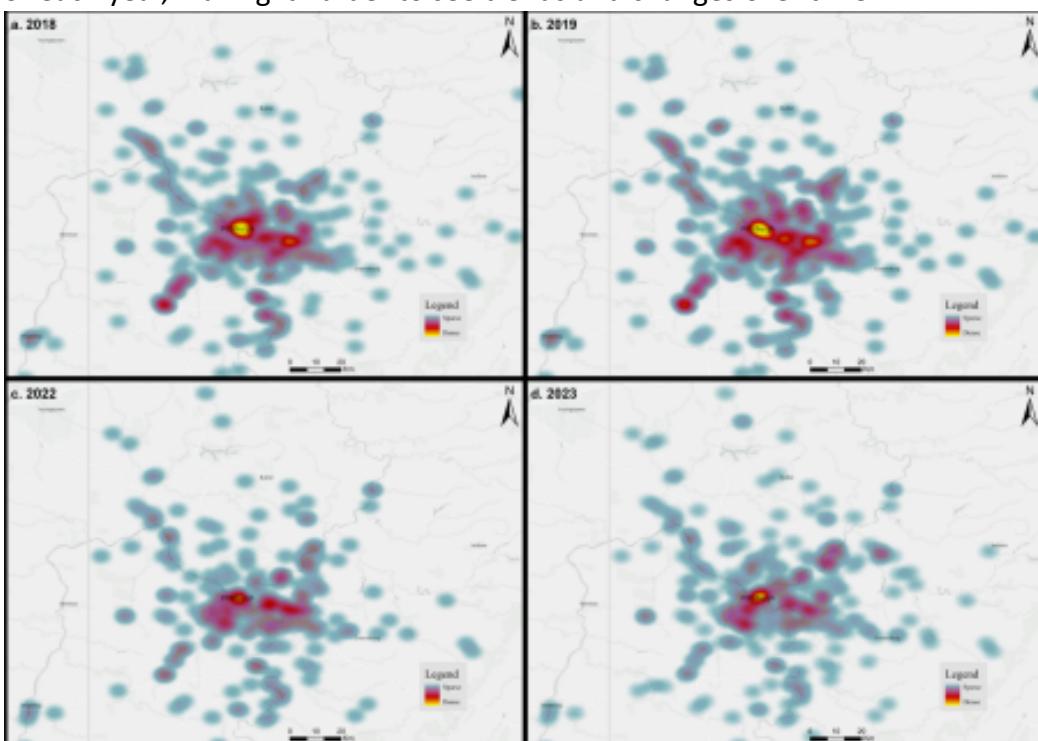
# Pittsburgh Fish Fry Venue Map

## Data Source

The [Pittsburgh Fish Fry Map dataset](#) was collected by a team of volunteers who visited and documented the locations and schedules of various fish fry events in the Pittsburgh area. The data was collected from 2017 to 2023, with updates being made each year during the Lenten season. The dataset represents a variety of organizations and churches that host fish fry events in the Pittsburgh area.

## Heat Map

I created a heat map to easier identify areas with high and low concentrations of fish fry events. Heat map can more effectively display changes over time, as it allows for easy comparison of multiple years on a single map. A distribution chart would require a separate chart for each year, making it harder to see trends and changes over time.



[Link to the GIF](#)

## Legend Explained

- The more sparse the dot is, the lighter (blue) the area is
- The denser the the dot is, the darker (red) the area is

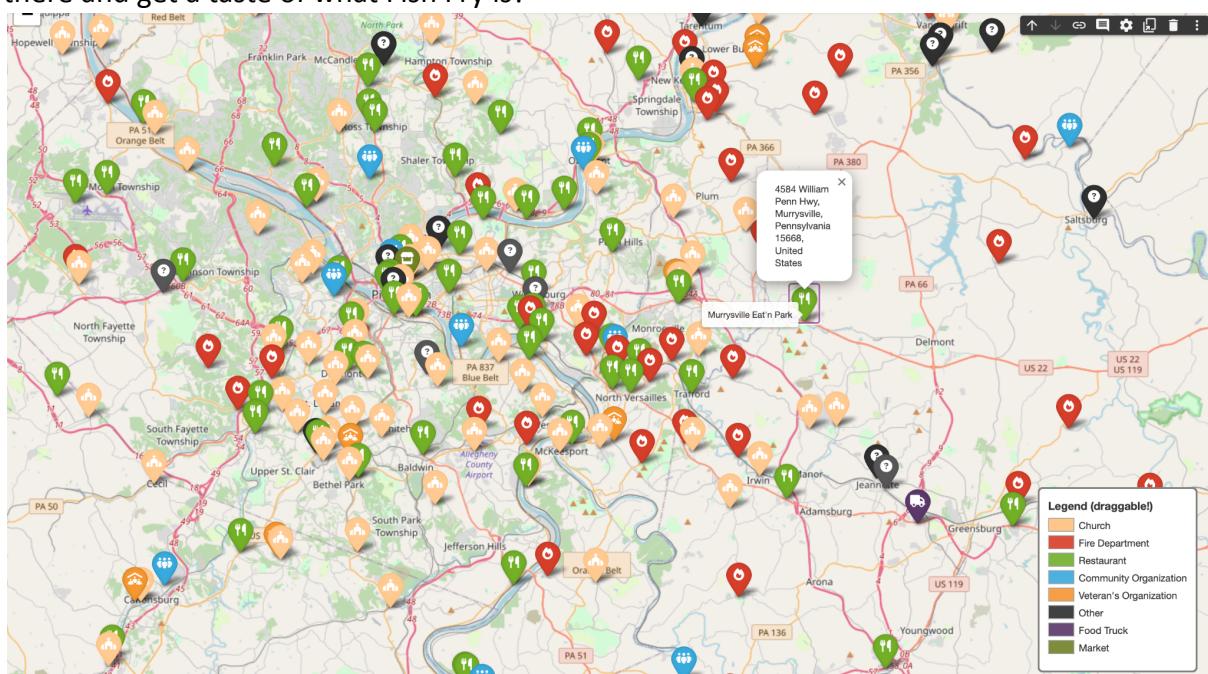
## Findings

- The heat map in the Pittsburgh Fish Fry Map dataset provides a visual representation of the popularity of fish fry events over time.
- The map shows a very similar conclusion with the distribution map, that the number of events increased steadily from 2017 to 2019, with a noticeable peak in 2019.
- However, in 2020, the number of events decreased significantly due to the COVID-19 pandemic and related restrictions.

- Venues have been roaring back from covid after 2022, and continued to grow in 2023.
- In conclusion, from the map, we can see that fish fry events are distributed fairly evenly across the city, with a slightly higher concentration in the downtown area and surrounding neighborhoods.
- This indicates that fish fry events are popular throughout the city and that they are accessible to residents in many different areas

## Where to taste it? Here is an interactive Map!

Now we know a general idea of how the Fish Fry shops or restaurants are, how can we go there and get a taste of what Fish Fry is?



### Legend Explained

- There are different venue types that holds Fish Fry events:
  - Church is in the color of beige, with the church icon,
  - Fire Department is in the color of red, with the icon of fire,
  - Restaurant is in the color of green, with the icon of utensils,
  - Community Organization is in the color of blue, with the icon of 3 people,
  - Veterans Organization is in the color of orange, with the icon of people under a roof,
  - Others is in the color of gray, with the icon of question mark,
  - Food Truck is in the color of dark purple, with the icon of a truck,
  - Market is in the color of dark green, with the icon of a store.
  - When hovering on a spot, it shows the Name of the venue.
  - When clicked, it shows the exact address, and will continue to show.

### Findings

- Venues are mainly held in Churches, Fire Departments and restaurants.
- Venues are mainly in the center of Pittsburgh, but can also be found in suburban areas.

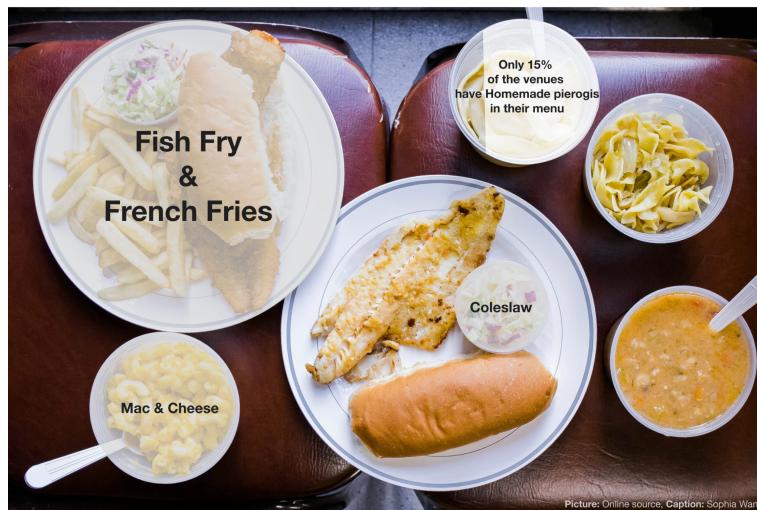
## Data and method text describing the data and method used in this process

- I used Pandas, Folium, and Geopandas to create an interactable map in Google Collab.
- To have a wide variety of options of icons on the map, I used [fontawesome](#) to get different icons.
- Geopandas helps me import the Geojson file from my data
- branca.element to add draggable legend.

## Significance statement on why the presented figure is important

- This project is more like an interesting topic rather than an important one.
- I was mainly just browsing what interesting Pittsburgh local data I could access online, and also thinking of doing a map project in mind, and found the Pittsburgh Fish Fry Dataset.
- Before diving deep into the data, as being foreign to this tradition in Pittsburgh, I studied and knew that Fish fry is a popular tradition in Pittsburgh that takes place during the Lenten season, which is the period of 40 days leading up to Easter. The tradition of fish fry in Pittsburgh has its roots in the city's strong Catholic heritage. Many of the neighborhoods in Pittsburgh were settled by Catholic immigrants from Europe, and the tradition of fish fry was brought over by these communities.
- According to the data, I made this picture to show what a typical Fish Fry meal looks like:

This is what a typical Fish Fry meal looks like



- Then I got curious, where are those Fish Fry Venues? As an international student who mainly roams around the University and barely goes to the suburbs, I'm curious where exactly these Fish Fry venues are, and when I could get a taste of them.
- The conclusion is, I'm happy that before I graduate next year, I have a goal to try out one of the Fish Fry shops on Fifth Avenue.

## Link to my Github Page

Click here: <https://github.com/w94090/INFSCI2415-Pittsburgh-Fish-Fry-Map>