

Opioid Related EMS Calls - City of Tempe

Interactive dashboard

Final Product

Dashboard

- 1) Bar chart showing the number of opioid-related EMS calls by age group.
- 2) Line chart showing the number of total ems calls per year.
- 3) Bar chart with the average number of events per weekday.
 - a) To show what days of the week have the most opioid-related EMS calls.

Interactivity - Drop-down menu allowing filtering by housing, student, veteran, none, and all groups status.

Possible Viz - Heatmap showing the frequency of incidents per approximate location

Action items

- 1) Make SQLite db from the .csv file
- 2) In app.py, connect to the newly created sqlite db
- 3) Create a Flask-powered API that reads data from the SQLite database, runs queries in the routes, and returns it in json format
- 4) Create .html file to establish the website framework/layout
 - a) Create CSS??
- 5) .js to create scripts for the different charts, dropdown menu, and initialize the dashboard
- 6) Deploy on Github Pages

Files that we will have in final product

- app.py
 - Connect to the sqlite database and run queries inside the flask routes (sqlalchemy)
 - Create the Flask-powered API to define the flask routes and return the data in json format (flask)
- app.js
 - To create the scripts to be used in our .html file/website
- index.html
 - Build the dashboard and website
- Resources (.sqlite database, .csv file)
 - Store the .csv file in a SQLite database

Reference

Opioid EMS Calls, City of Tempe <https://catalog.data.gov/dataset/opioid-ems-calls-ac2fc>

Questions

- 1) We can use d3 to make a call to a local json file and get the data to use in our .js script. What is the purpose of having the dataset in csv format, storing that in a SQL database, and then building a flask-powered API in order to build flask routes that query and retrieve and return data in json format? Once we do all that, how do we actually use the data in our .js script?
 - a) ONCE WE MAKE APP.PY TO BUILD THE ROUTES THAT RETURN OUR QUERIES IN JSON FORMAT, HOW CAN WE USE THE JSON DATA THAT WE RETURNED???? Do we use the different urls that we defined for each route??