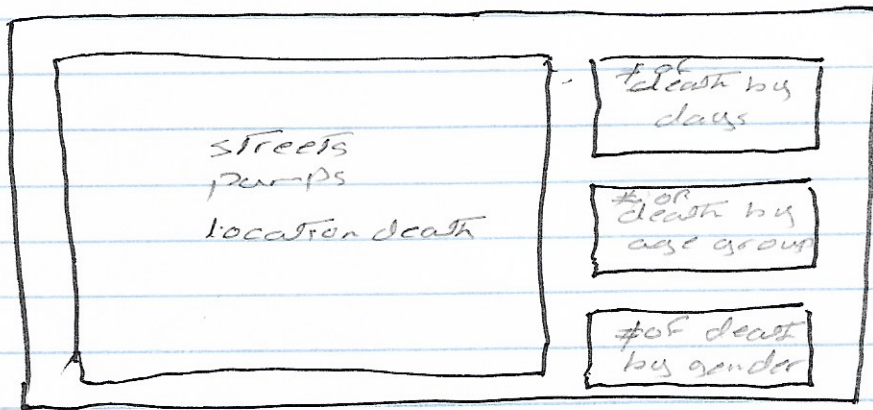


①



✓ define size of the overall canvas

- define map canvas

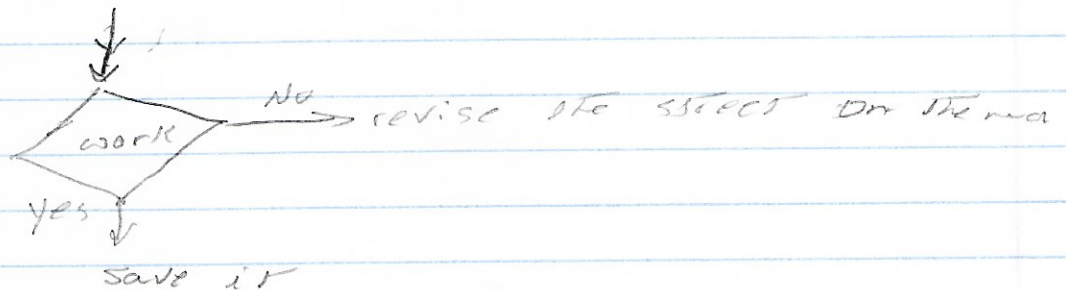
- * include streets path/line on the map canvas
- * include pumps on the map canvas
- * include location of death
- * add map title (overall for the page)

✓ ① Streets:

- 1) - where to get streets? street.json file
- 2) define domain of the street

- * Try path() function to draw street lines
- * group the paths so the streets lines be stable

start with streets



(2)

✓ - Pumps

* get pump's data from pumps.csv

* at this point try to:

- include pumps on the map canvas
 - remember to apply grouping
- test it For consistency
- save and work on separate html file for pumps
- after testing, revise as needed.
- save pumps on a pumps.html file for time being

✓ - death location

- get death location from deaths_age_sex.csv file
- again create death.html by itself.
- make sure to include grouping to keep it stable!
- review and revise

- Always keep a copy of the html files in case need to go back to prior revision

be able see victim male or female based on color

- ✓ - add gender legend of the map to make color
- ✓ - add pump legend.
- ✓ - add tooltip on the map to see age of each victim

(3)

✓ - combine $\left\{ \begin{array}{l} \text{streets_path.html} \\ \text{of} \\ \text{pump.html} \end{array} \right.$

✓ - make adjustment and modifications as needed

$\left. \begin{array}{l} \text{streets_path.html} \\ \text{Pumps.html} \end{array} \right\} \rightarrow \text{streets_path_pumps.html}$
This is a combination of the file

add deaths.html to streets_path_pumps.html
↓

streets_path_pumps_deaths.html

✓ revise the combined 3 files
Keep a copy of the file as backup

Side graphs

✓ - 3 graphs need to be included

• start with death by days bar graph

✓ - ~~design~~ class 'sample2.html'

✓ - define x y u & height scales

✓ - variables for x y u axis

✓ - draw the bar graph

- ~~transfer~~ translate! is your friend here

✓ - add labels for x y u axis

✓ - add graph title

- add the bar graph. (Number of Death For Each Day.html)

{
 Number of Death For Each Day.html
 +
 Streets Path - pumps - deaths.html
 }
 → Number of Death -

Streets Path - pumps - deaths - Number of Death.html

✓ add interactivity / mouseover the death bar graph
 for selecting which day to visualize.

✓ add interactivity between death bar graph (timeline)
 and deaths on the map

✓ create
add age group bar graph

✓ create gender group bar graph

✓ - use conditional formatting

- add the graphs to
pump streets number of death

✓ - make any adjustment

↓
map.html

✓ - add labels for x and y axis on side graphs

✓ - add title for each side bar graph

✓ - add some street names and locate bar and
work on the map

- research online

- zooming in and out