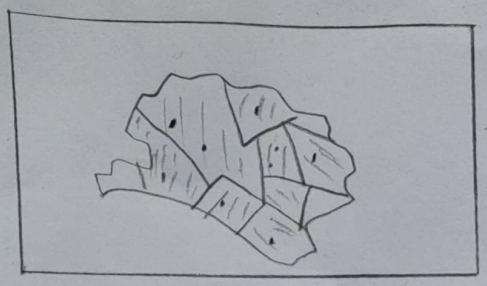
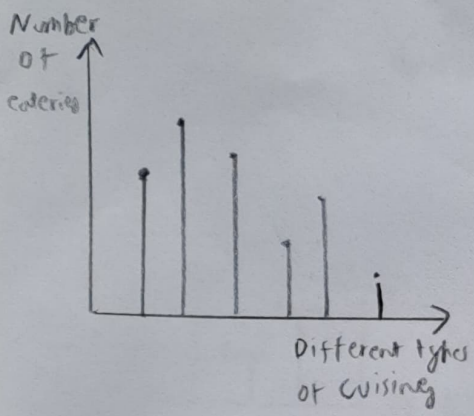
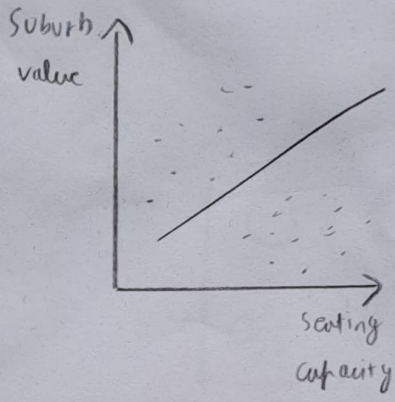
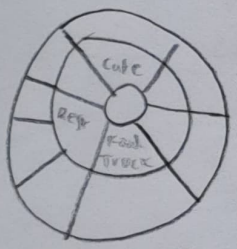
IDEAS



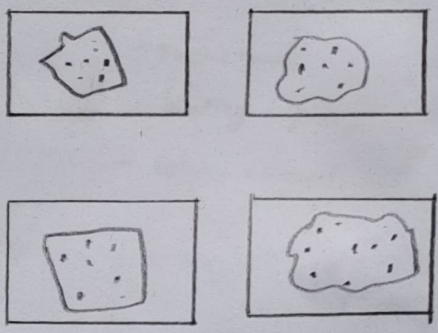
- Map of melbourne
- Use colours to show value per square foot (psf)
- Use points to show restaurants types



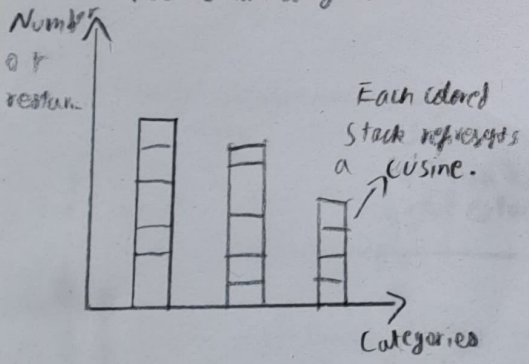




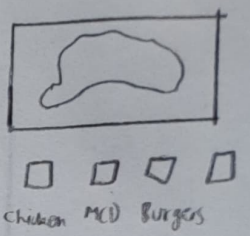
Breakdown of restaurant category



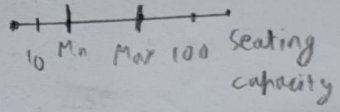
Explore suburbs with high concentrations of a particular food type



FILTER

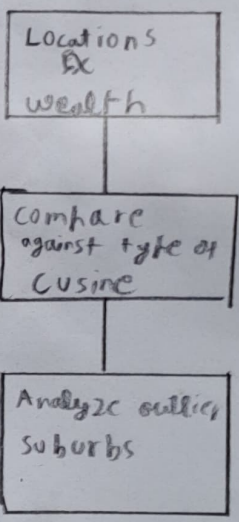


Show / Hide elements

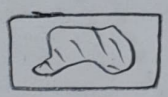


Allow users to filter visualizations by seating capacity with both a minimum and maximum.

CATEGORIZE

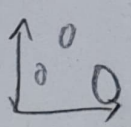


Combine and refine



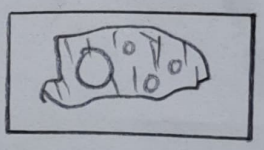
Map of melbourne

+



Using size to show value

=



Map using colour and size to show value / frequency of restaurants

Questions

- Do I answer the intial reason why I created this visualization?
- Am I falling victim to confirmation bias when visualizing data?

Title: Food across Melbourne

Author: Maitrey Sharma

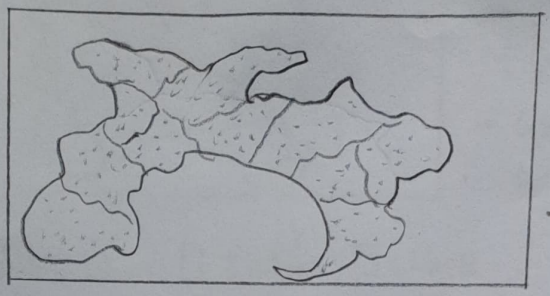
Date: 11/09/24

sheet: 2

Task: FIT3179 Assignment 2

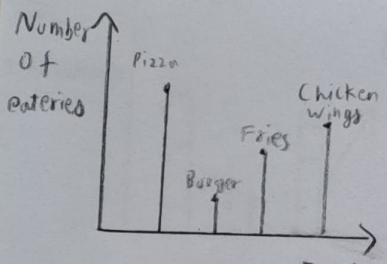
LAYOUT

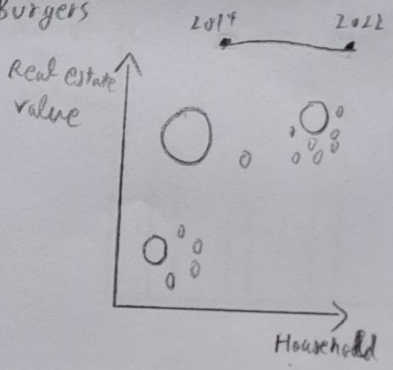
A map of melbourne and its eateries



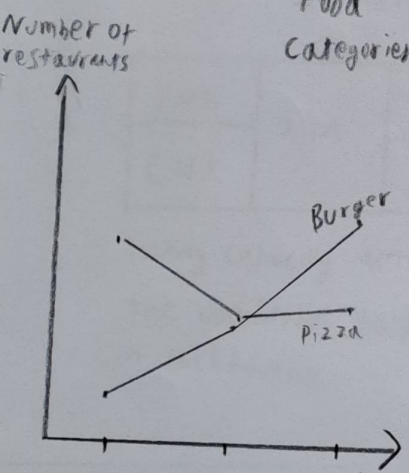
- use the colour channel to show region wealth
- Use points to reflect cafes/restaurants

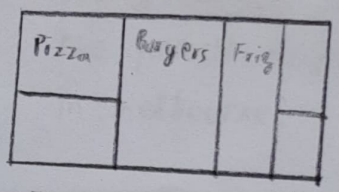
☐ Fried chicken ☐ Pizza ☐ Burgers





- Size channel to show Seating capacity
- Colour channel to show cusine





Treemap of only high seating capacity restaurants

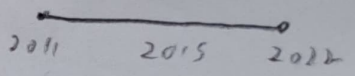
OPERATIONS

use checkboxes to filter between food items.

☐ Chicken ☐ Fish ☐ Beef

Alternatively, I can use food types instead of food items.

A sliding time scale can also be implemented to show how melbourne has changed over time



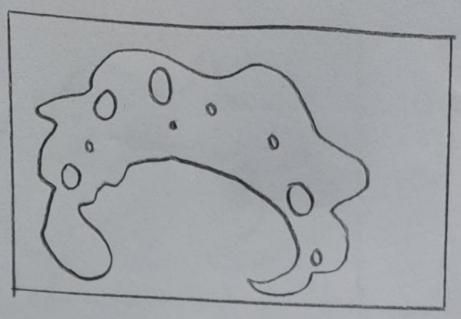
Focus

- This approch looks only at the most commonly purchased food items burgers/pizzas and tries to find correlations with indicators of wealth.
- Central focus is bubble chart as it allows for easy detection of clusters.

Discussion

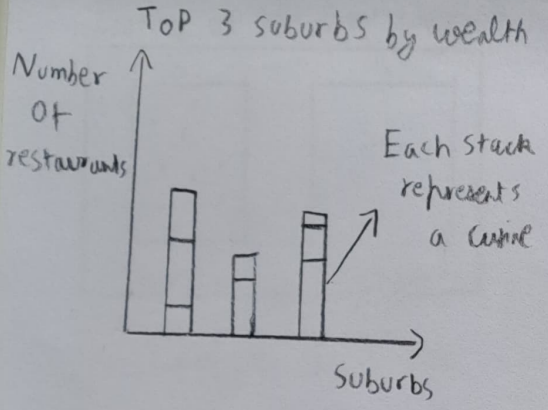
- Need to merge databases for restaurants, financial attributes such as real estate value and net household income.
- Are there any more reliable indicators of wealth that I can use

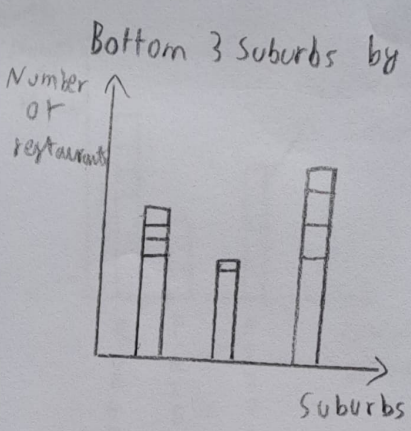
LAYOUT

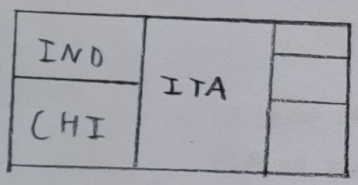


- Combine bubble chart with map to show number of eateries per suburb
- Use colour to show region wealth (Diverging)

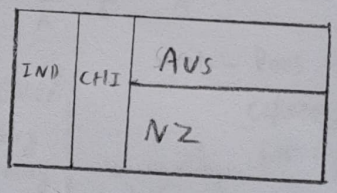
☐ Italian ☐ Indian ☐ Chinese







Seating capacity accross the wealthiest neighbourhood in melbourne



Seating capacity accross the poorest neighbourhood in melbourne.

Title: Food across Melbourne

Author: Maitrey Sharma

Date: 11/09/24

Sheet: 3

Task: FIT 3179 Assignment 2

OPERATIONS

Avoiding use of too many filters to ensure readability

Main filter is checkboxes that allow the user to identify patterns between cusines.

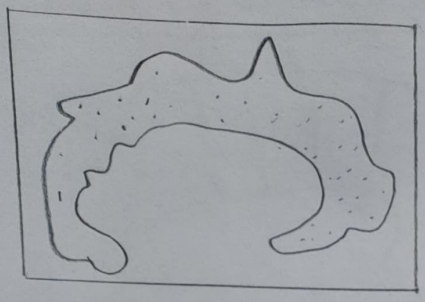
FOCUS

- No central focus graph.
- Instead of looking at Melbourne as a whole I look at suburbs at the top and bottom of the wealth hierarchy
- Focus more on cusines insted of on food items as done previously

DISCUSSION

- Does the simple approach make my visualization boring?
- Are there any deeper insights that I can discover?

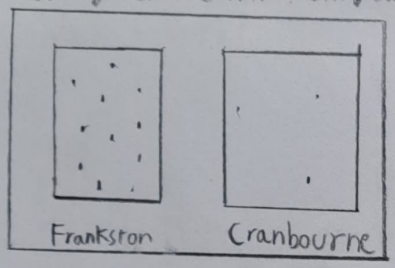
LAYOUT



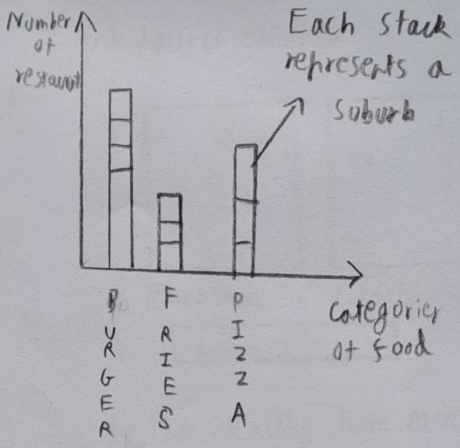
- Dot map of melbourne
- use colour to show wealth

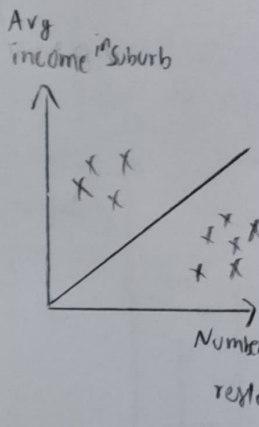
☐ Cafe ☐ Restaurant ☐ Takeaway

Looking at the most unequal suburbs

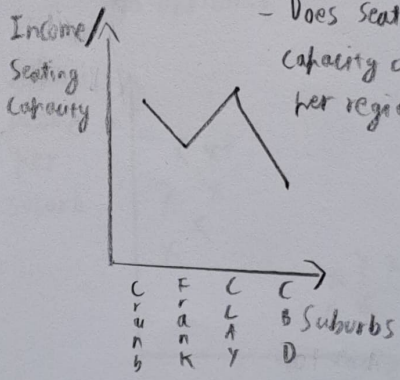


☐ Desserts ☐ Burgers





- use colour channel to show restaurant type



- Does seating capacity change per region?

Title: Food across Melbourne

Author: Maitrey Sharma

Date: 11/09/24

Sheet: 4

Task: FIT 3179 Assignment 2

OPERATIONS

Heavy reliance on checkboxes to control what data is being read.

1) set of filters to control restaurant types.

☐ Takeaway ☐ Dine in

2) set of filters to show food type

☐ Desserts ☐ Burgers

FOCUS

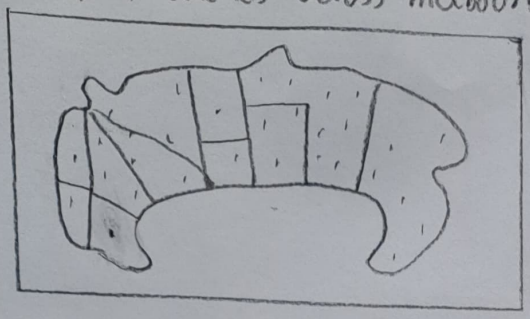
- Dot map with a focus on types of restaurants instead of food types or cusines
- Different visualizations that dig deeper into the dot map.
- Explores whether desserts/cafes/bakeries are more common in richer parts of town.

DISCUSSION

- Am I being repetetive with my visualizations
- Can I further minimize my usage of filters to improve story telling.

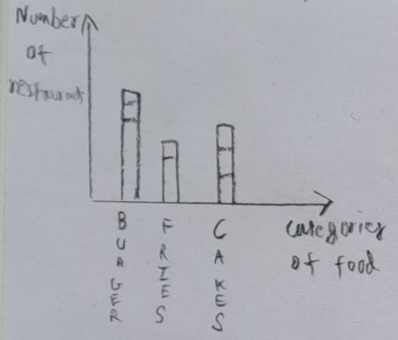
LAYOUT

Map of cateries across melbourne

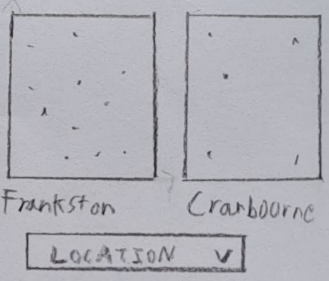


☐ cafe ☐ Restaurant ☐ Takeaway

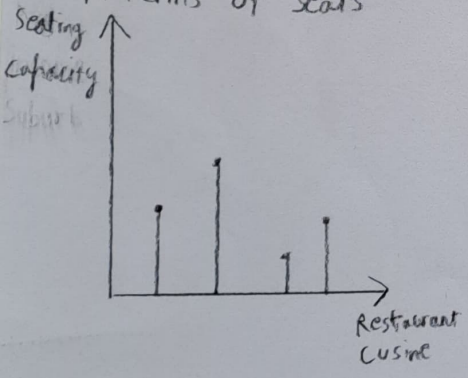
what food items are most popular in each suburb?



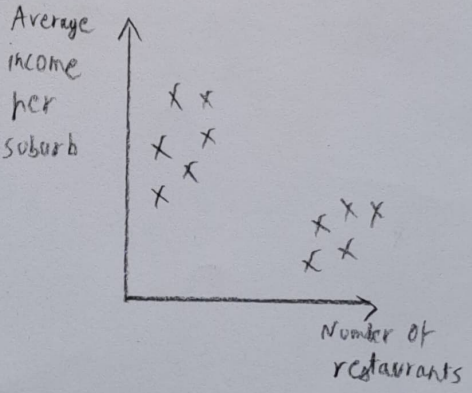
A look at the wealthiest and poorest suburbs



What does food look like across melbourne in terms of seats



Do the wealthy have more/less options?



Title : Food across melbourne
Author : Maitrey Sharma
Date : 12-09-2024
Sheet : 5
Task : Final design

OPERATIONS

1) Location drop down bar :
A drop down list to select which suburb is being compared

2) check box filters :
To control which dots are visible.
This helps improve clarity and allows for easy storytelling

FOCUS

- Dot map which shows different restaurant types across melbourne. Allows for clusters to be easily identified visually.
- After this I dig deeper to explore related trends in cusine, seating capacity and average income in each region

DETAIL

- CSV file to be cleaned before implementation
- Need geoJson file to draw maps
- Use JS to implement filters/dropdown lists
- Time to build : 4 days