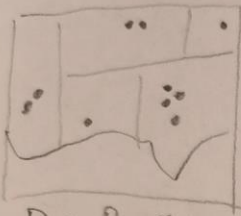


# Sheet 1 IDEAS

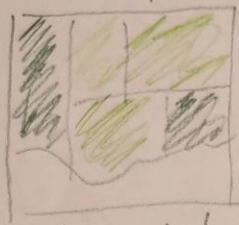
Guoyang Zheng  
33116156

Map:

state of Victoria



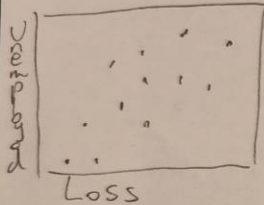
Dot-Density



Choropleth

encode:  
EGM per 1000 Adults  
or  
Loss per adult  
Based on LGAs

Scatter plot

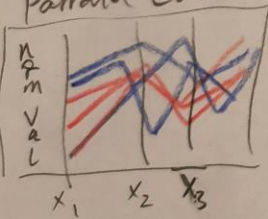


bubble plot?

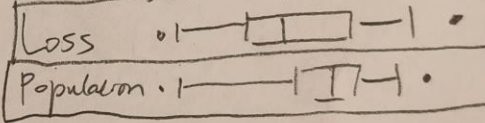


Colour: country/metro  
Size: population

multiple  
quantitative attribute  
Parallel coordinate plot



Box Plots



Filter by:

Country  
Metro

Question: Many LGAs, one for each  
is too much?

Filter: Map → Choropleth, LGAs too  
small for dot density map.

Heat Map

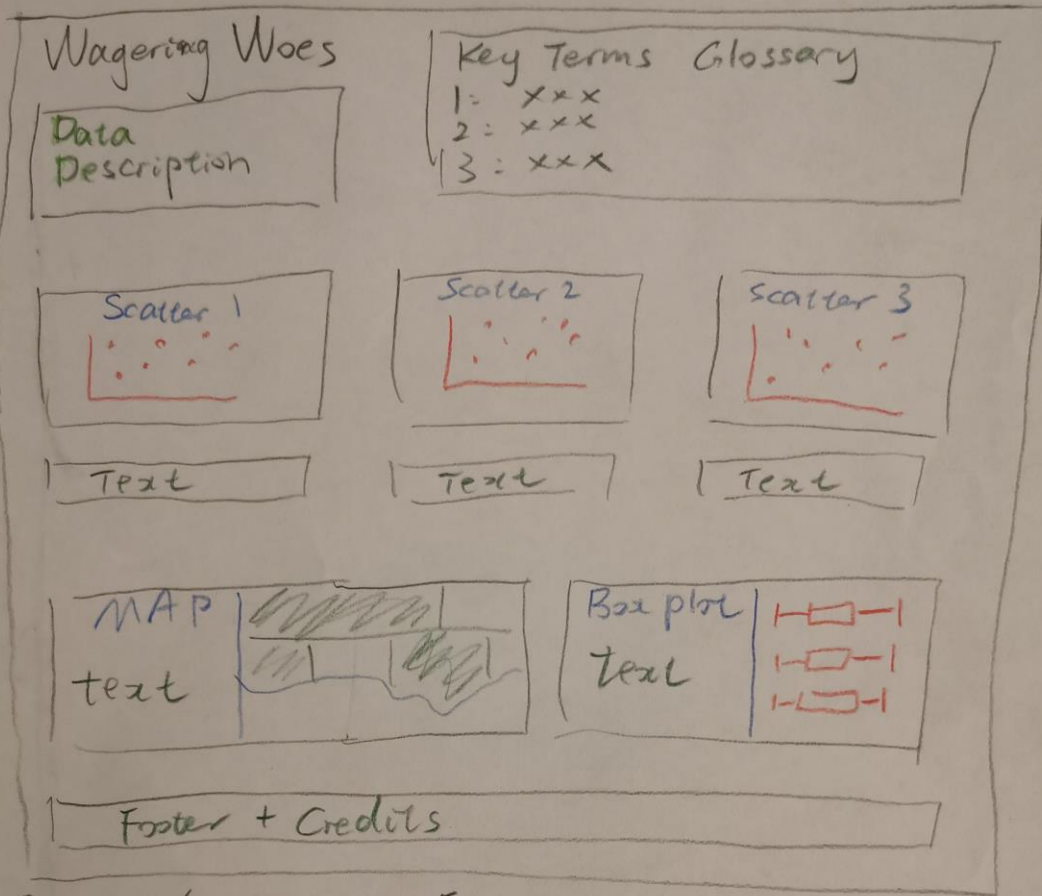


Question:

How to show SEIFA rank vs  
quantitative attributes?

Sheet 2  
title: Wagering Woes.

Guoyang Zhang  
33116156



Comparisons/operations.	Focus	Pros	Cons
1- Filter by metro/country for scatter plots	- Quantitative attributes comes on Scatterplot)	- Clear or showing correlation	- hard to incorporate SEIFA rank
2- Filter by income class for map.	- highlight correlation between fields.	- clear sightlines	- Bubble plot can encode additional attribute with size.
3- Filter by min/max for box plot.			

Sheet 3

title: Wagering Woes

Guoyang  
Zheng  
33116156

Wagering Woes

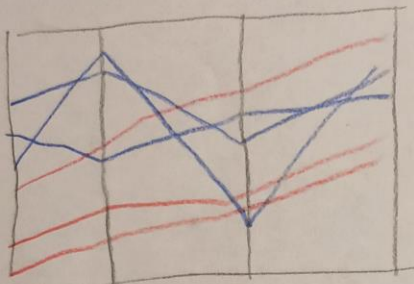
Credits  
name: xxx  
Link: xxx

Data Description

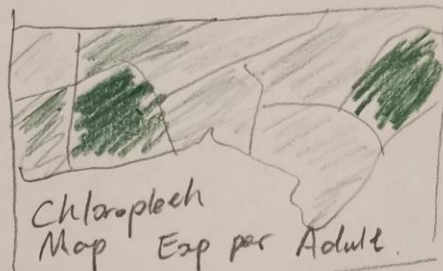
xxx  
xxx  
xxx  
xxx

key terms

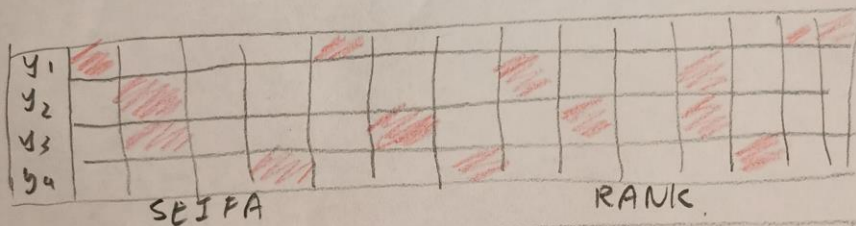
1- xxx  
2- xxx  
3- xxx



Description



Description



Attribute analysis - 1 per field

components/operations

- Parallel Coordinate plot
- filter by region
- Map
- filter by loss class
- Zoom
- Heat map
- filter by country/metro
- SEIFA rank

Focus

- All charts
- Trends in parallel coordinate plot
- LGAs in chloropleth map
- Trends across rows in heat map

Pros

- All important information is shown
- Graphs are intuitive and easy to understand
- Good use of white space

Cons

- Graphs are too high level (not specific enough)
- Too many attributes per graph

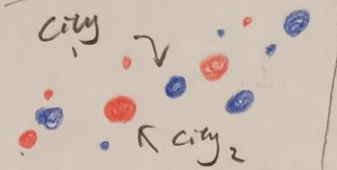
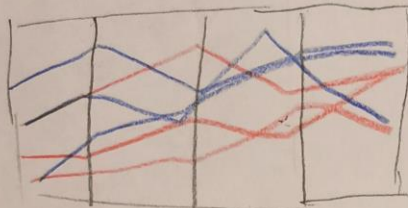


Sheet 4  
title: Wagering Woes

Ginsyng Zhao  
33116156

## Wagering Woes

data description  
Credits  
other information

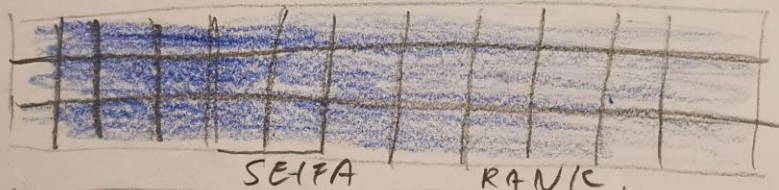


Description

Description

HEAT MAP

DESCRIPTION



SEIFA

RANK

Heat map

key insights

Components/operations	Focus	Pros	Cons
- Chloropleth map	- Chloropleth map	- All attributes acknowledged	- Too much space?
- Zoom	- Exp per adult		
- Class filter			
- Parallel Coordinate plot	- Parallel Coordinate Plot	- Low and high level graphs	- heat map too big?
- Region select	- Trends/Correlation		
- Bubble Plot	- Bubble plot		
- Region select	- Trends/Correlation	- Clean layout	- how to color encode across rows?
- Heat map	- Heat Map		
- Region select	- effects of gambling on Socioeconomic status		

# Big Picture / Layout

Wagering Woes  
sub title here

description

Chloropleth  
MAP

Parallel  
Coordinate  
plot

description

Bubble  
Plot

description

heat map title

HEAT MAP

description

footer

+

credits

## Part / Focus

Map

- Geographical trends - how loss is distributed in Victoria.

Parallel Coordinate Plot

- Trend/Correlation between
  - Population
  - Workforce
  - Loss
  - SEIFA Score

Bubble Plot

- Trend between
  - Unemployment rate
  - loss per adult
- Population as size channel
- Colour as region channel

Heat map

- Overall relation between factors and SEIFA Rank

## Sheet 5

Name Guoyang Zheng

Date 8/10/2024

Title Wagering Woes

Description

Finalised Version of  
Sheet 4

## Components / Operations

Map

- Class filter for loss
- Zoom

Parallel Coordinate plot

- Select Region

Bubble Plot

- Select region
- filter 0 loss countries

Heat map

- Select Region
- different SEIFA score.

## Details

- Style - black background
- title - Neon green
- subtitle - white with glow
- text - grey with glow

Colours

- Map and Heat map use total scheme
- Country - red
- Metro - blue