

IDEAS

Map — Dot Map

Victoria represent sports and rec facilities

Column Graph

Bar Chart

Motivation

Locations

Pie Charts

Scatterplots

Bubble Charts

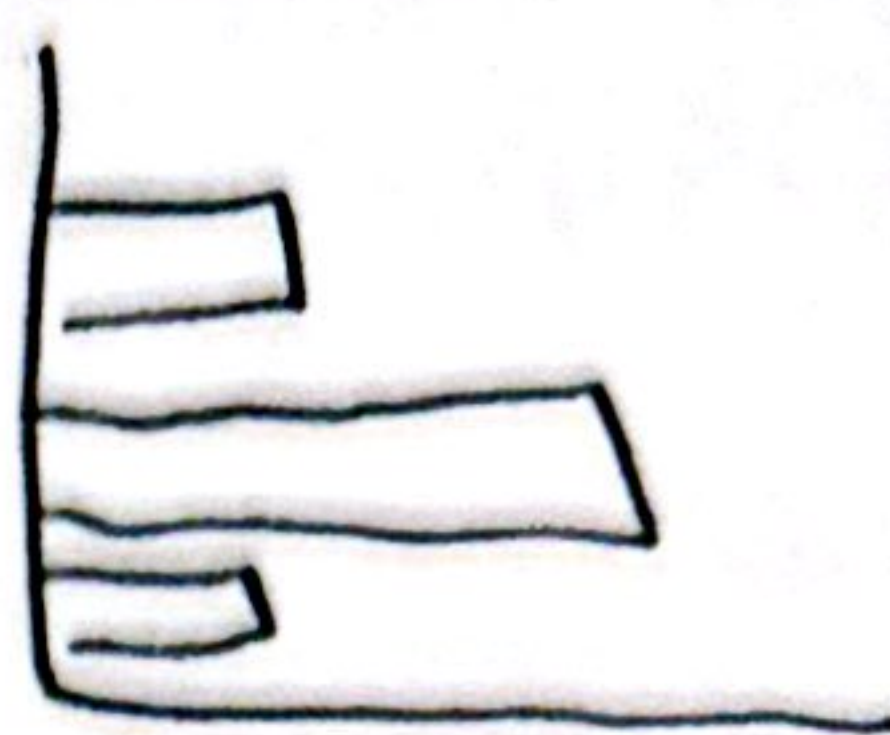
Grouped for categories such as gender.

Barriers

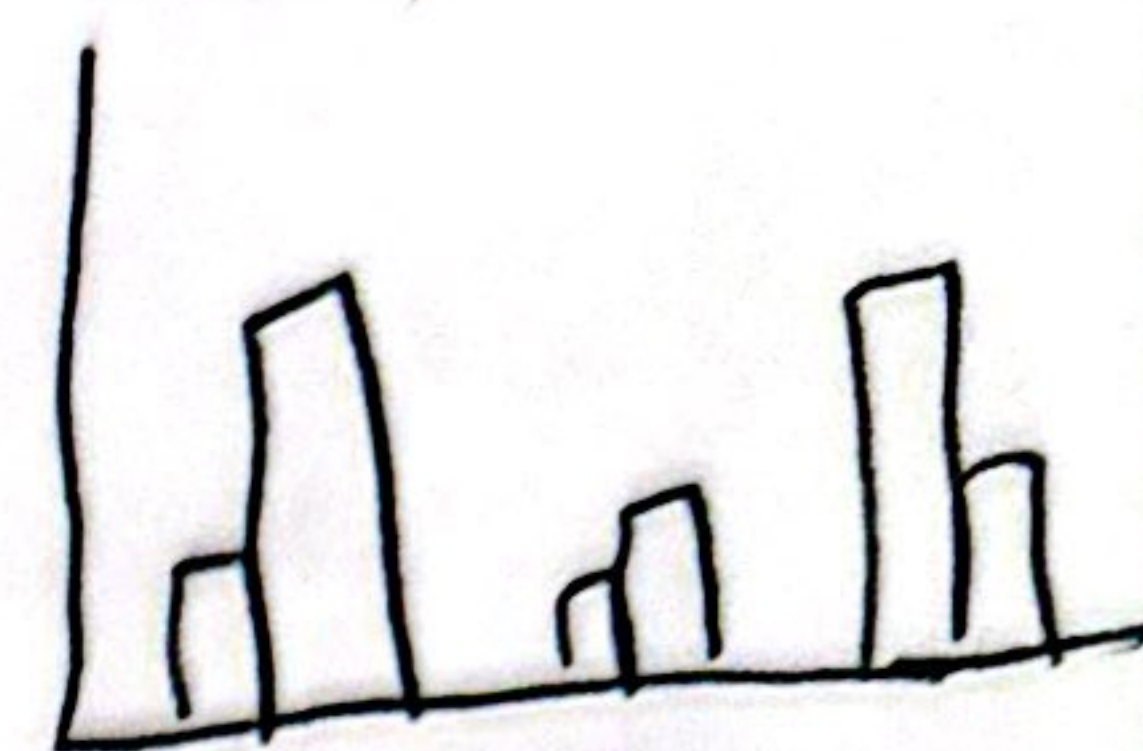
Trends in participation

FILTER

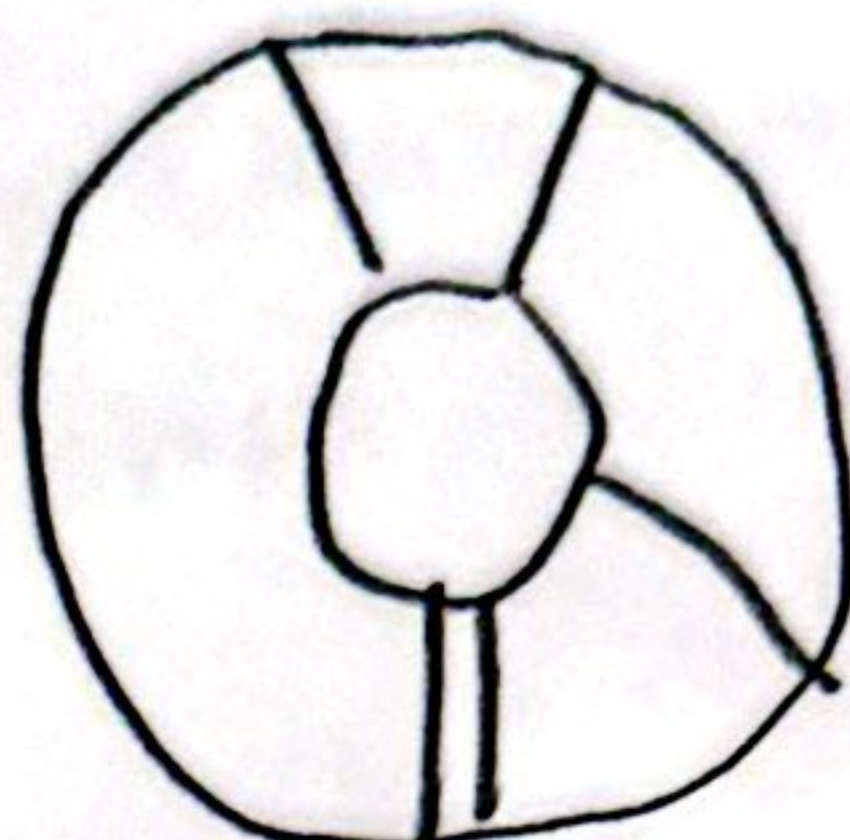
Bar Chart



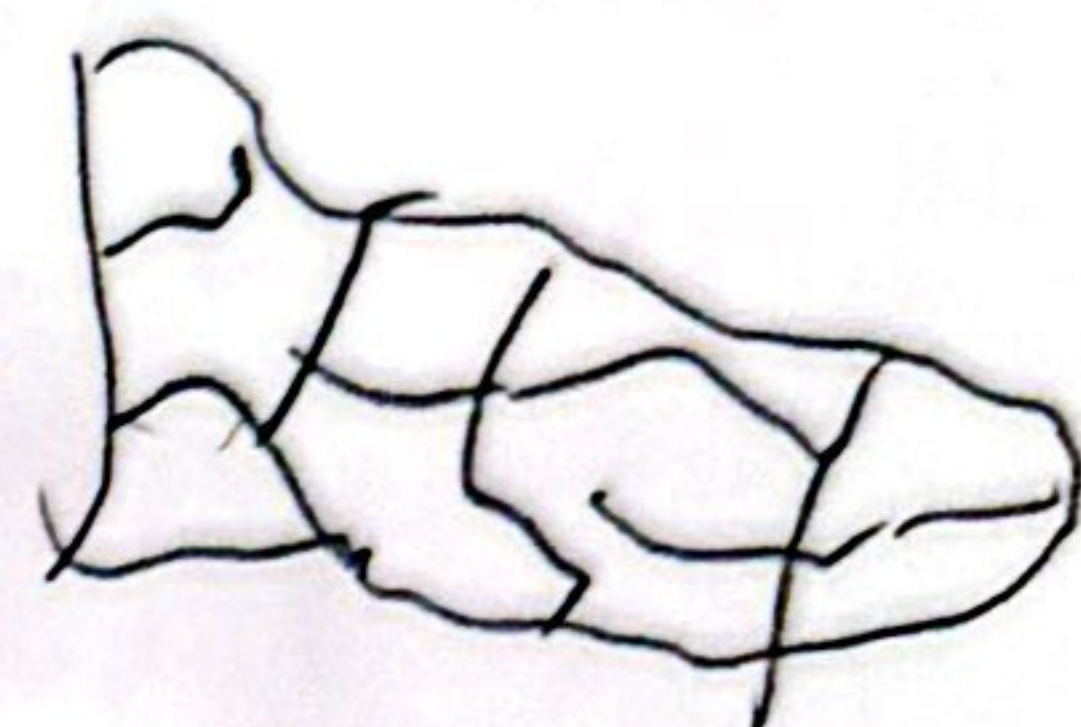
Grouped column



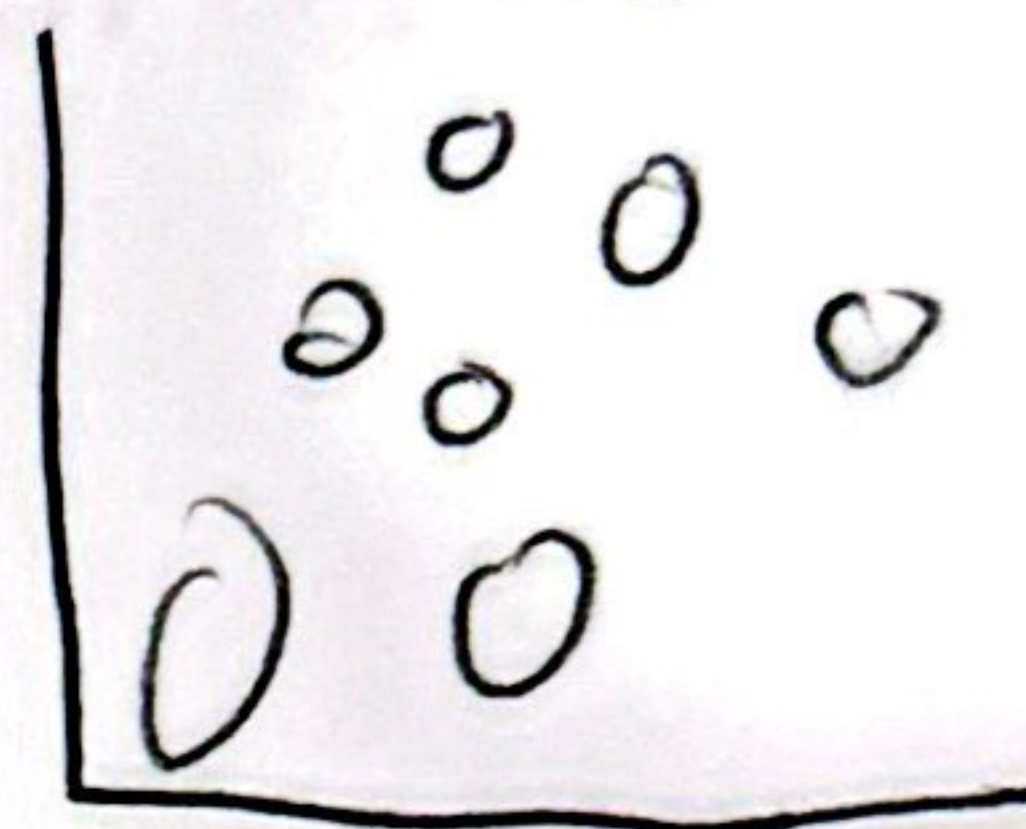
Pie



Map VIC



Bubble



CATEGORISE

Sports and Recreational Facility in Victoria



Maps of Sports and Rec Facilities in VIC

* Locations of sports rec

* Localised Area



Motivational and Demographic Influences

* Demographic Influences

* Motivational Influences



Adult vs children

* Potential Barriers

QUESTION

* Are my visualisations too basic

* Should I include more visualisation

* What is a good layout

COMBINE AND REFINER

* Maps will be utilized to show locational distribution of sports and recreational facilities

* Bar/column graphs will be used to illustrate motivational/demographic influences on sports participation

* Pie charts will be used for comparison across adults and children and barriers they face.

LAYOUT

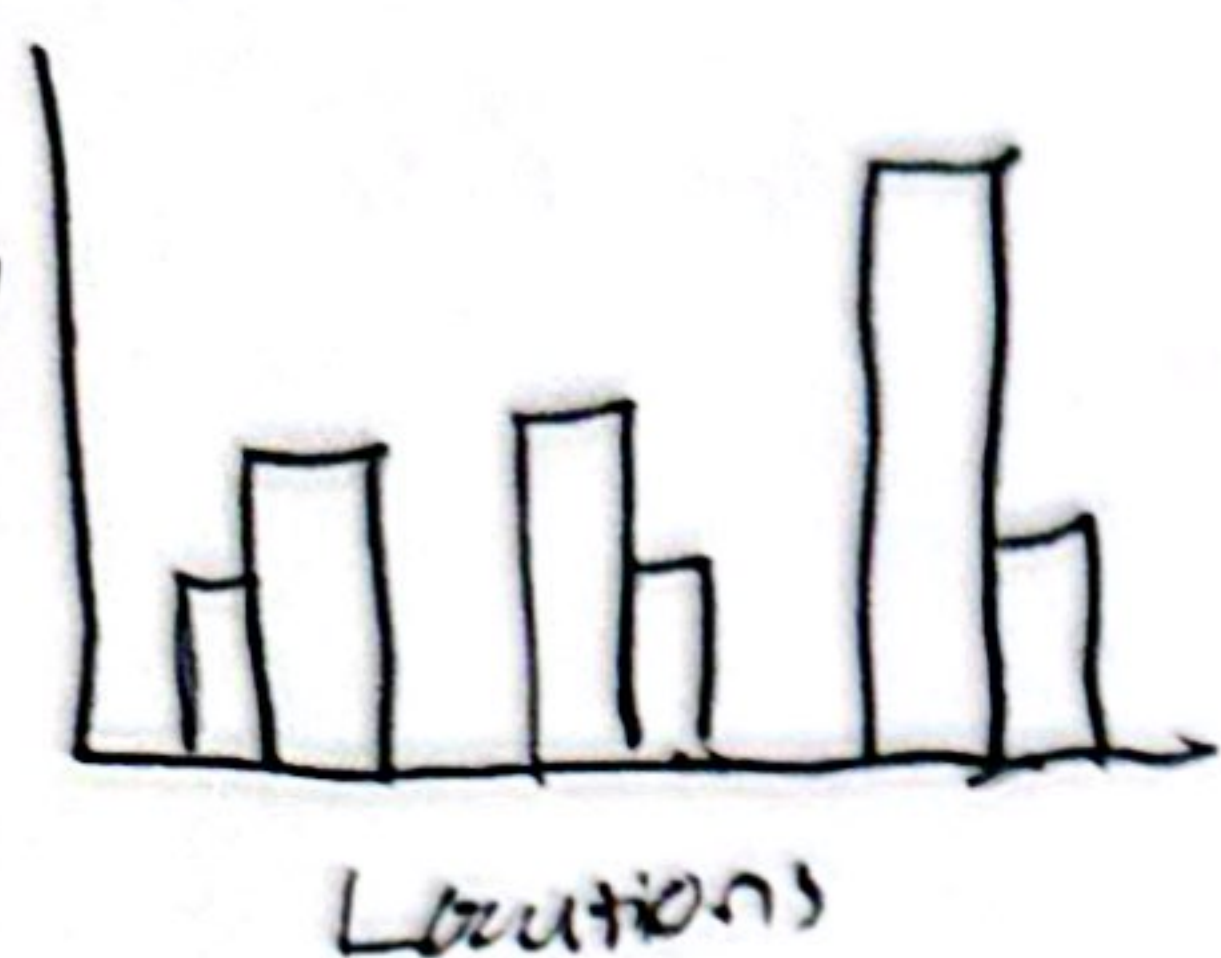
Vic sports



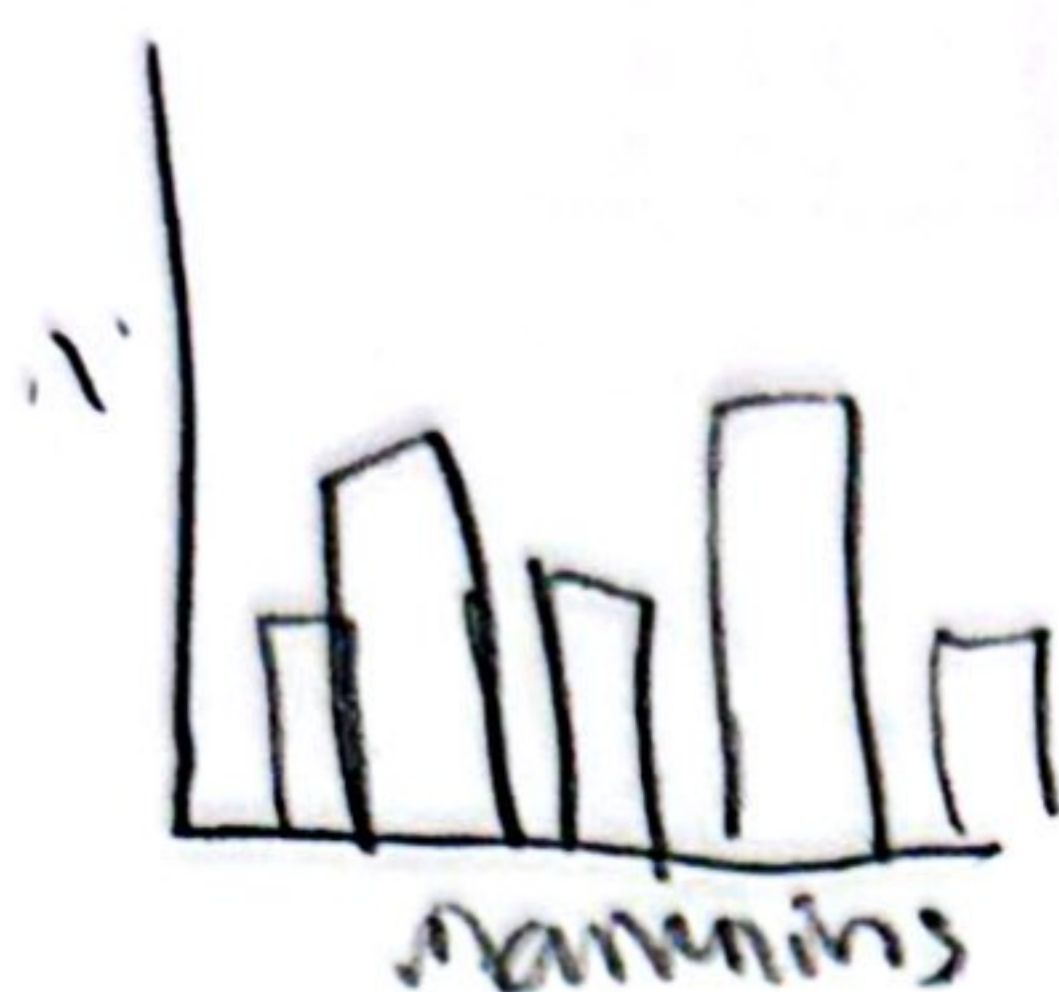
EA sports



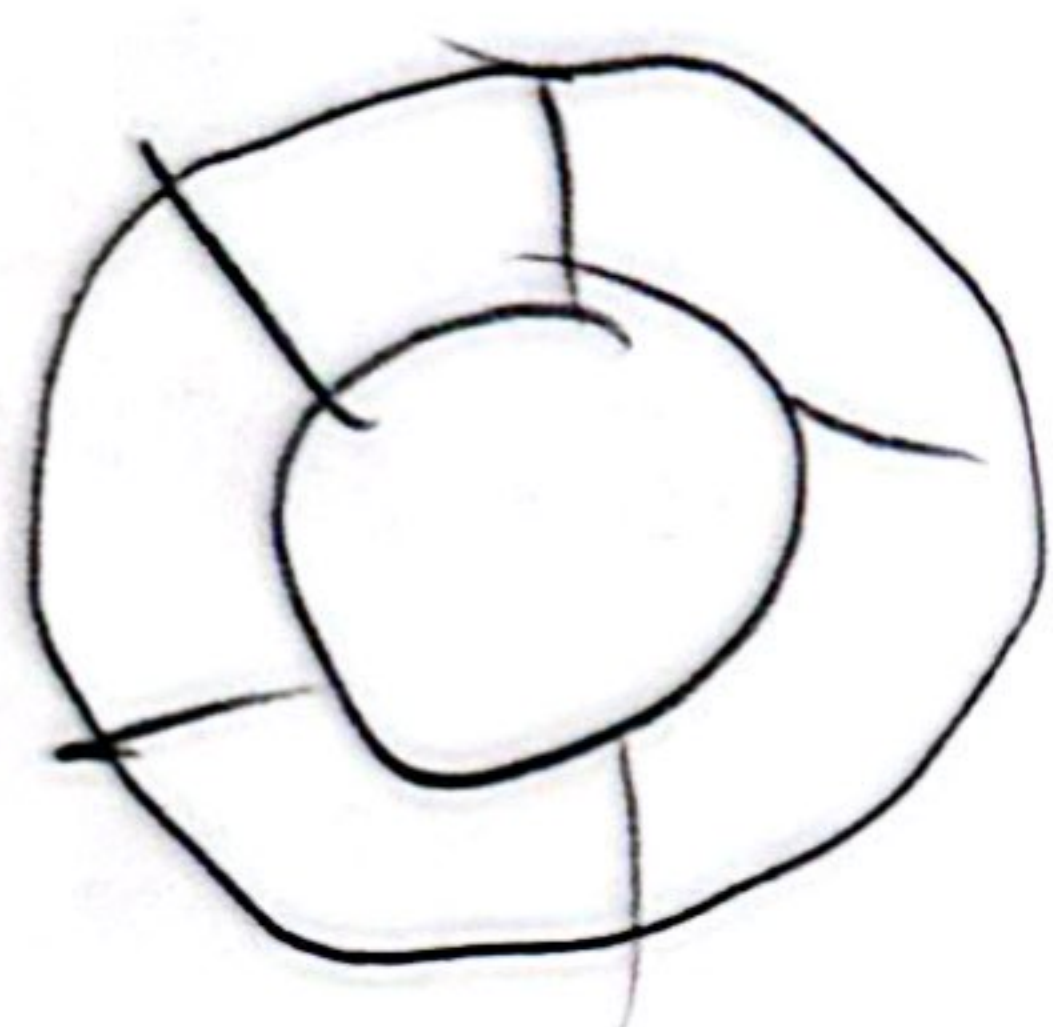
Gender



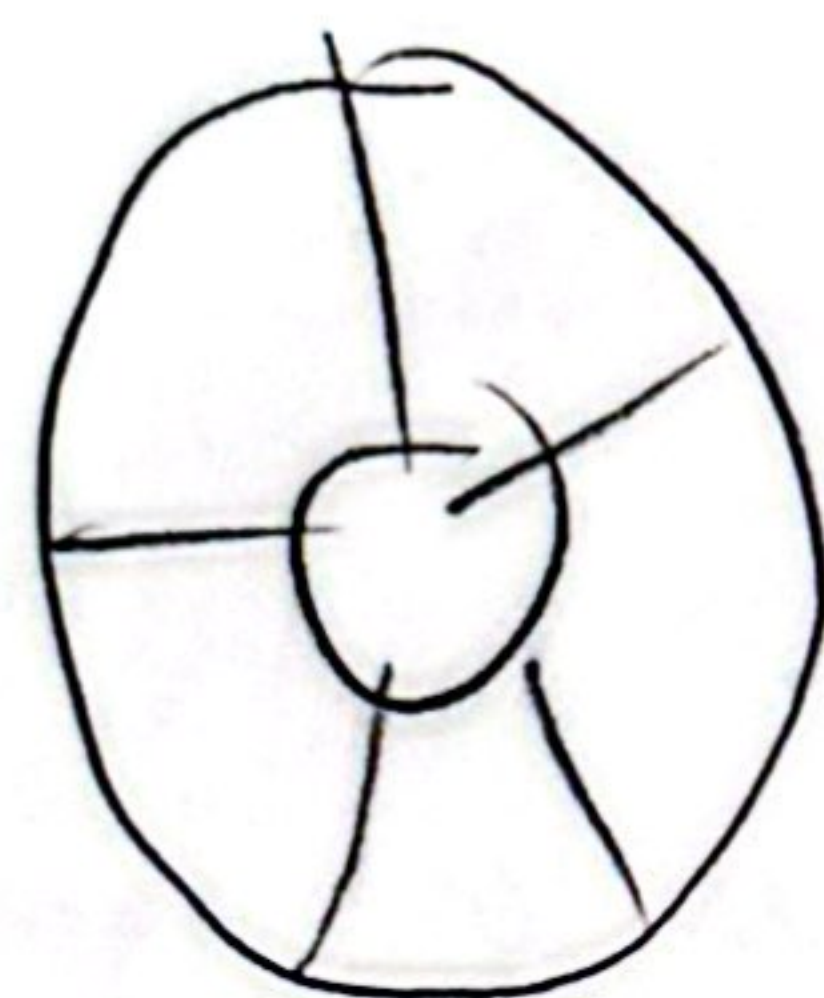
Motivation



Adult Barriers



Child Barriers



Title: Sports and Rec Facilities in Victoria
Author: Sinekh W
Date: 02/10/25
Sheet: 2
Task: FIT3179A2

OPERATIONS

Dot Map - Shows facilities and interactive legend to isolate different types

Bar Charts - Interactive legends to focus on important features

Bar Chart - Convey different barriers effectively.

DISCUSSION

✱ Potentially prevents important graphs from being visualised

✱ Segmentations improves clarity and flow

✱ Can add some formatting and text to improve coherence.

FOCUS

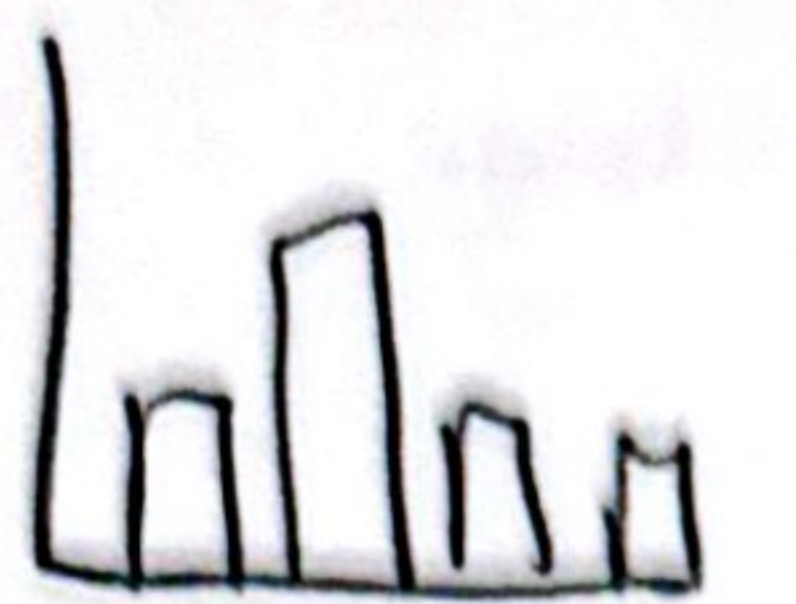
✱ This layout puts an even focus on all visualisations to convey locational, demographic, motivational properties effectively

✱ By putting the maps at the top we are still promoting the maps to be shown with importance

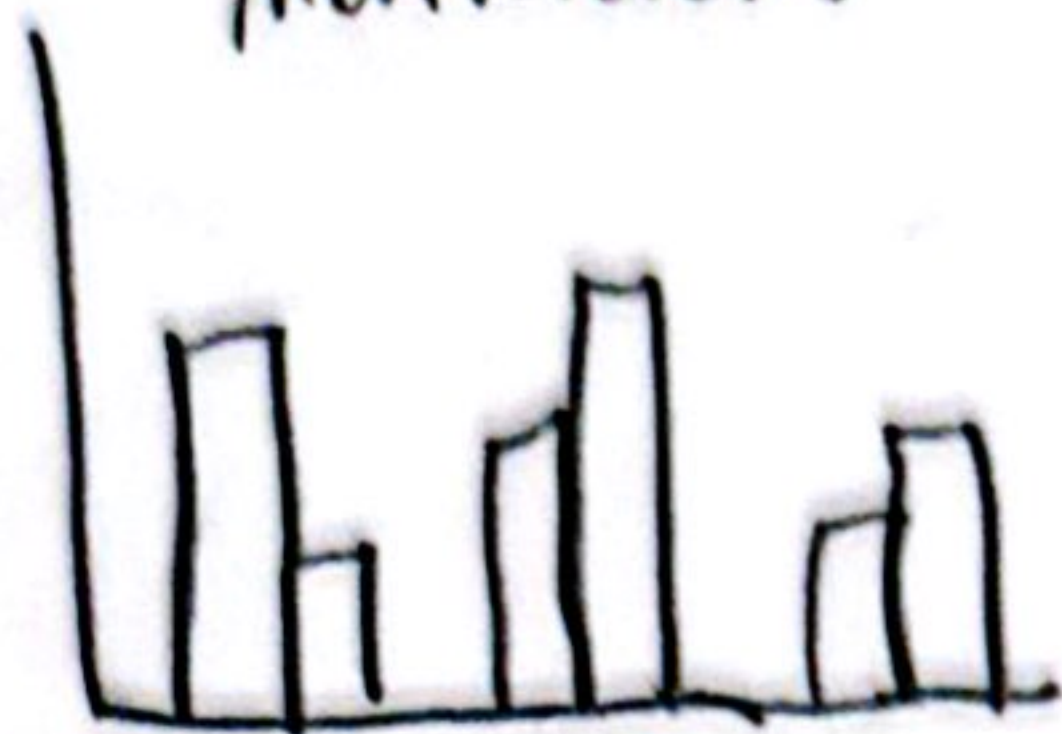
LAYOUT



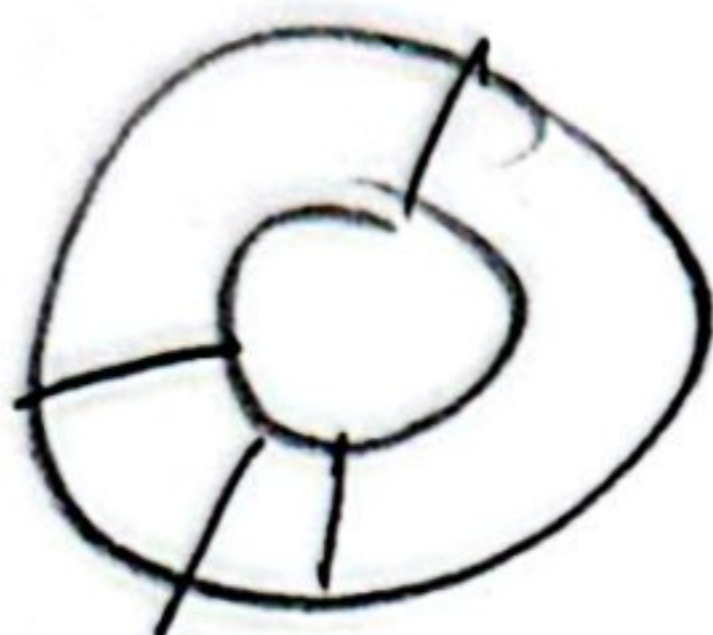
Demographic



Motivations



Barriers



Title: Sports and Recreational Facilities in Vic
Author: Sineth W
Date: 02/10/25
Sheet: 3
Task: FIT 3179 112

OPERATIONS

Pop maps with legends are used to show geographic distribution of sports and recreational facilities.

↳ Also shows categorical variables in the types of facilities

★ Grouped bar chart allows comparison across genders.

★ Pie chart gives a simple representation on the proportions and weighting of barriers in both children and adults.

FOCUS

★ This brings the maps to the foreword of the page and they are larger to pivot audience attention towards the geospatial data.

★ Demographic, motivation and barrier graphs are used to accompany the maps and provide additional info to the main source material,

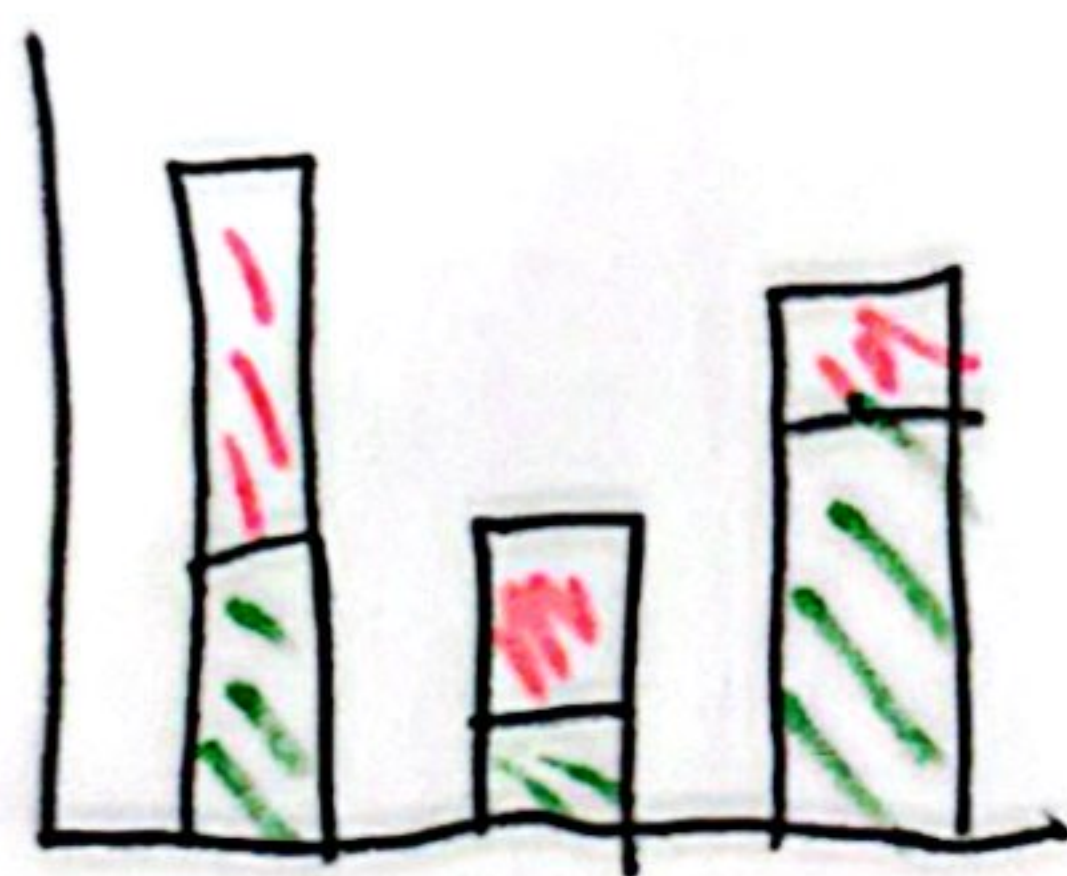
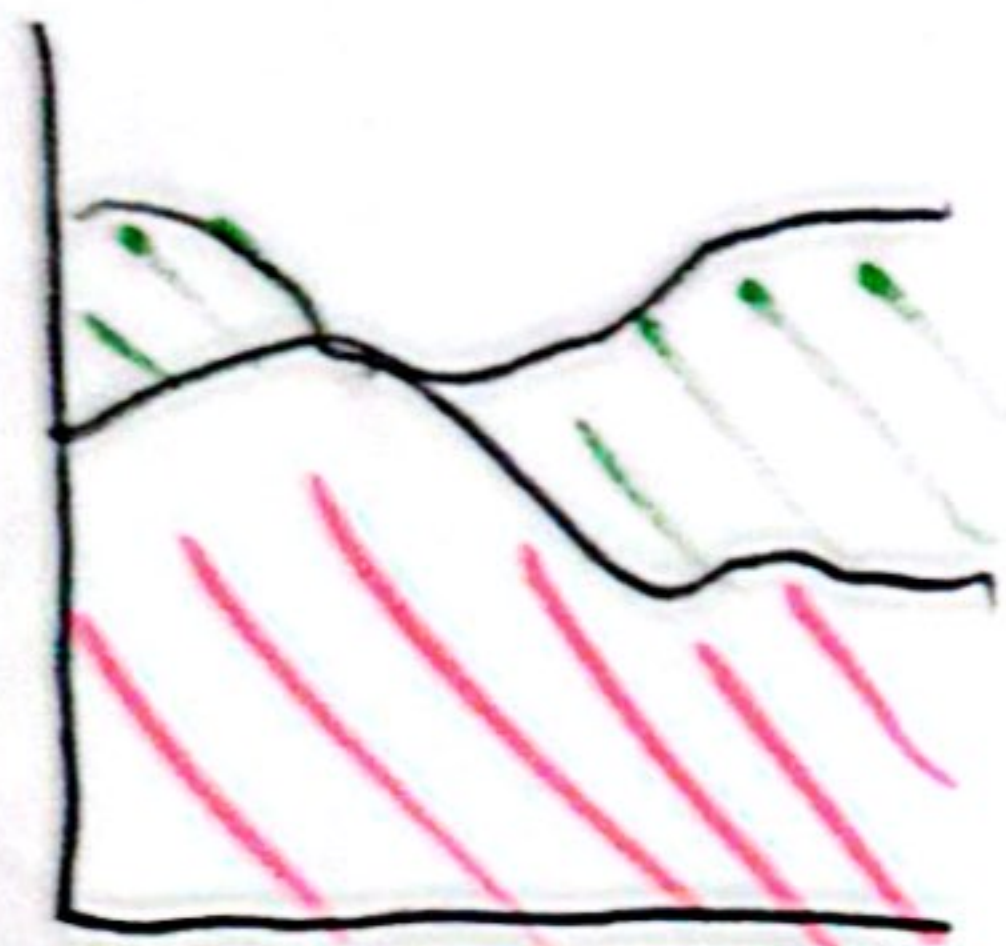
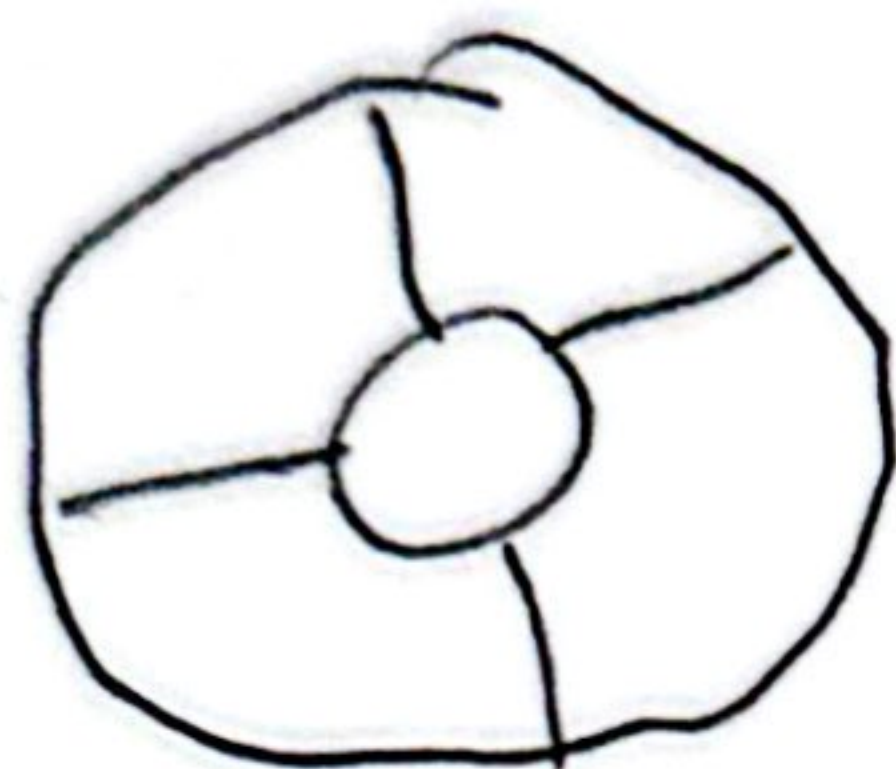
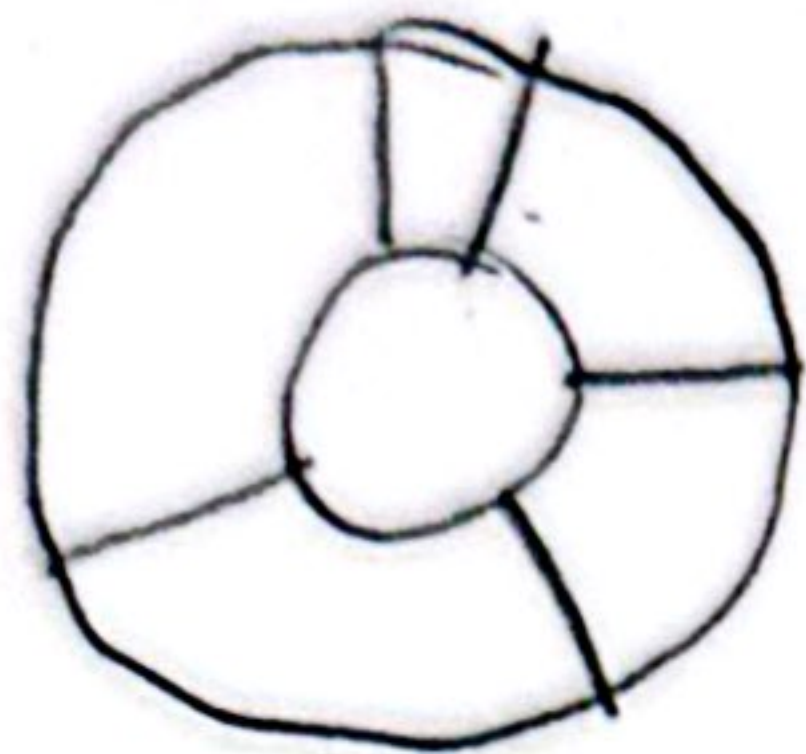
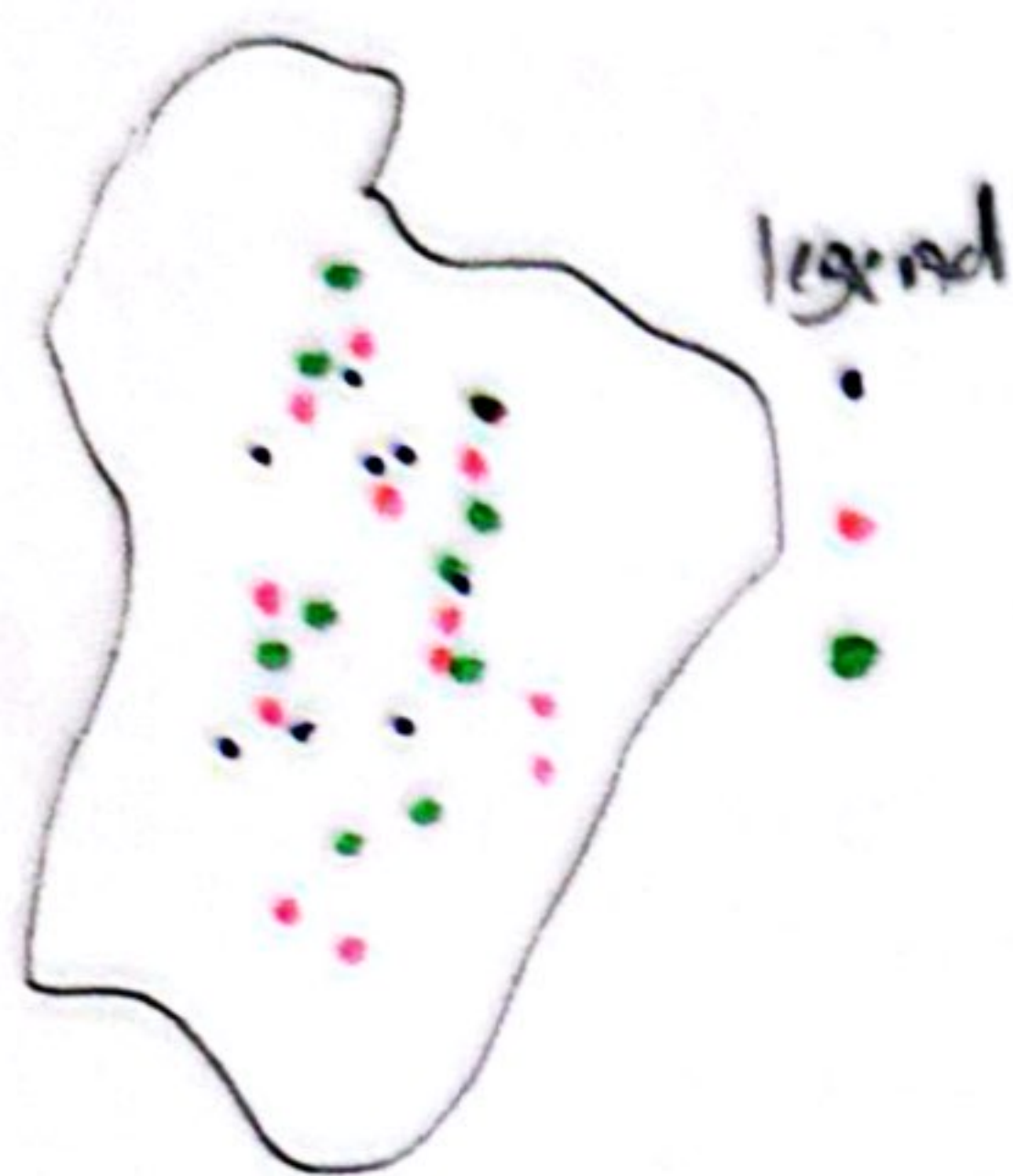
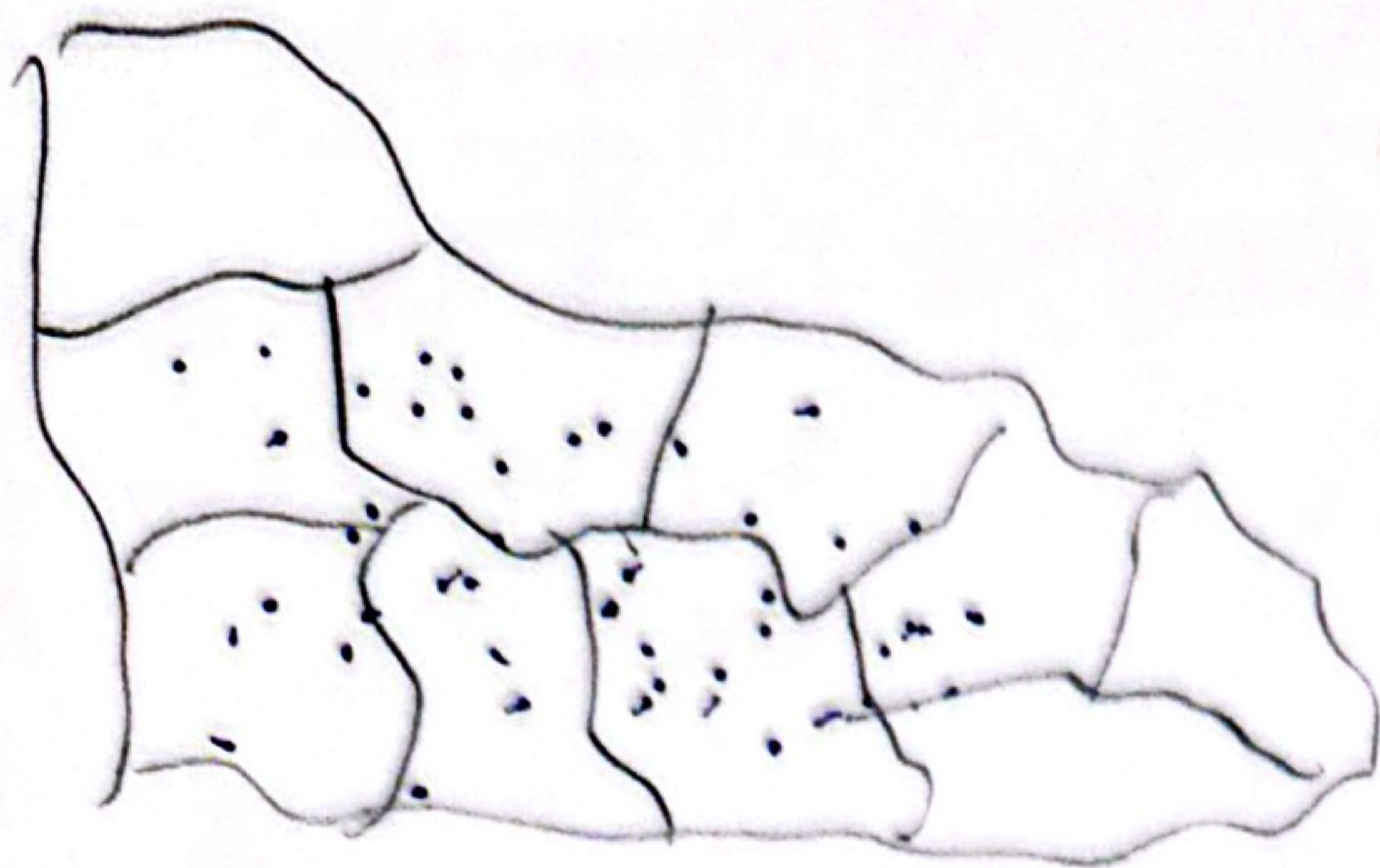
★ Mainlines Flow

DISCUSSION

★ Increasing map size might overshadow the importance of other idioms

★ Flow while being ok might be a bit cluttered and can be a bit overwhelming on the right hand side of the dashboard.

LAYOUT



legend

Title: Sports and Rec Facilities in Victoria
Author: Sineth W
Date: 02/10/25
Sheet: 4
TASK: FIT3179 A2

OPERATIONS

★ Later idioms such as stacked bar charts, ~~area~~ area line graphs, pie charts isolate categories to promote audience attention.

★ Colour is used to filter by gender and create two distinct layers.

★ Tooltips added to maps to allow audience to gain information on facilities

DISCUSSION

★ May be a bit of clutter towards the latter end of the dashboard

★ Is this layout easy to follow?

★ How many tooltips should be added to idioms beyond just the map.

★ How can text be added to improve meaning and info to user.

FOCUS

★ This keeps the big map or vic as the primary focus of the dashboard and shows meaningful patterns and features in the visualisations following.

★ Interaction in later visualisations helps retain audience focus

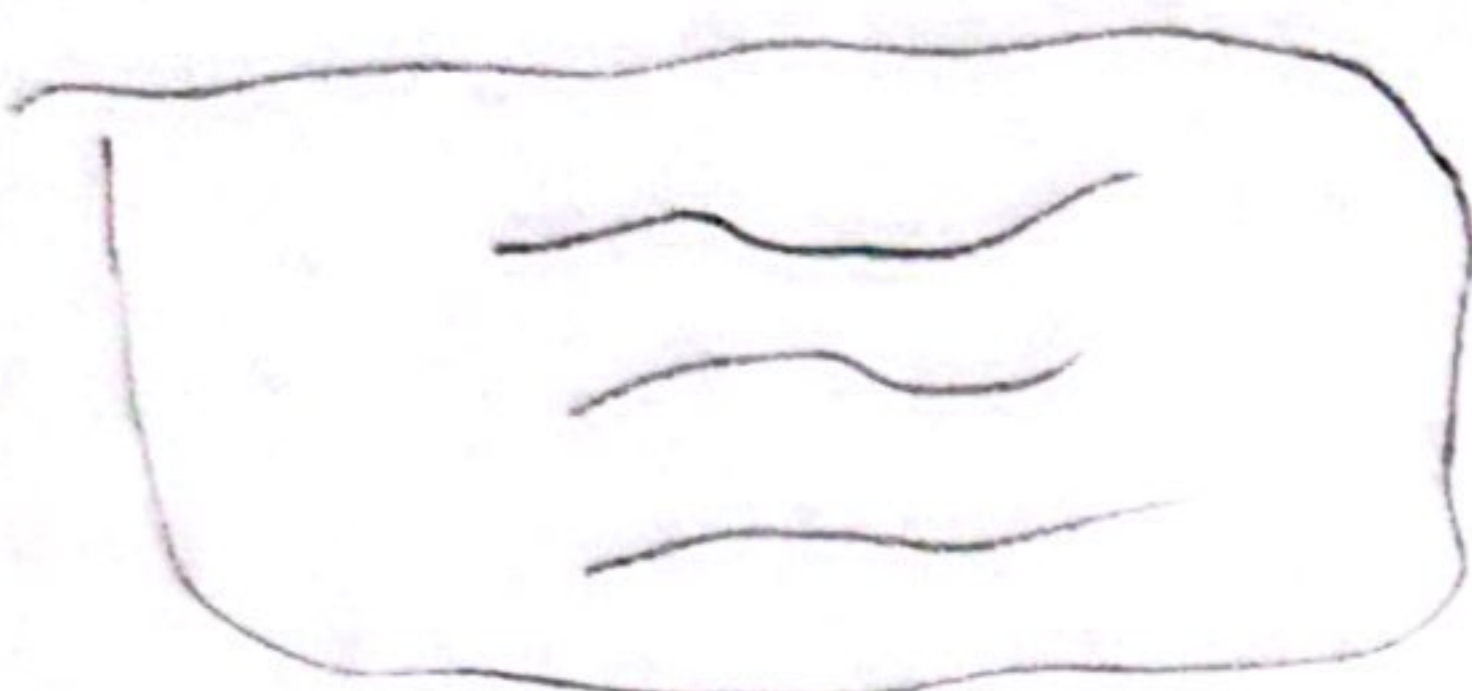
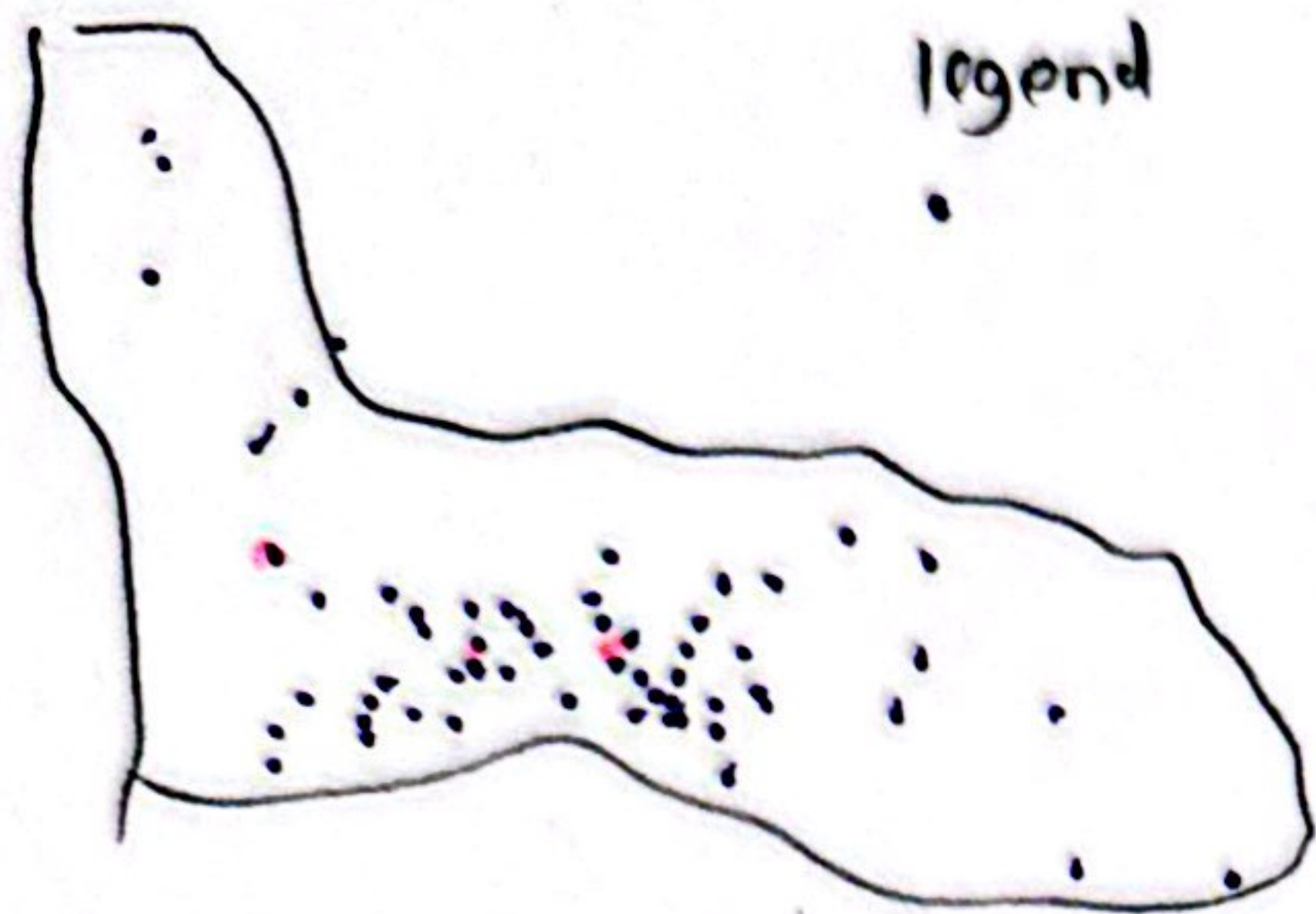
LAYOUT

Idea Based on Sheer 1

Sports and Recreational Facilities in Vic

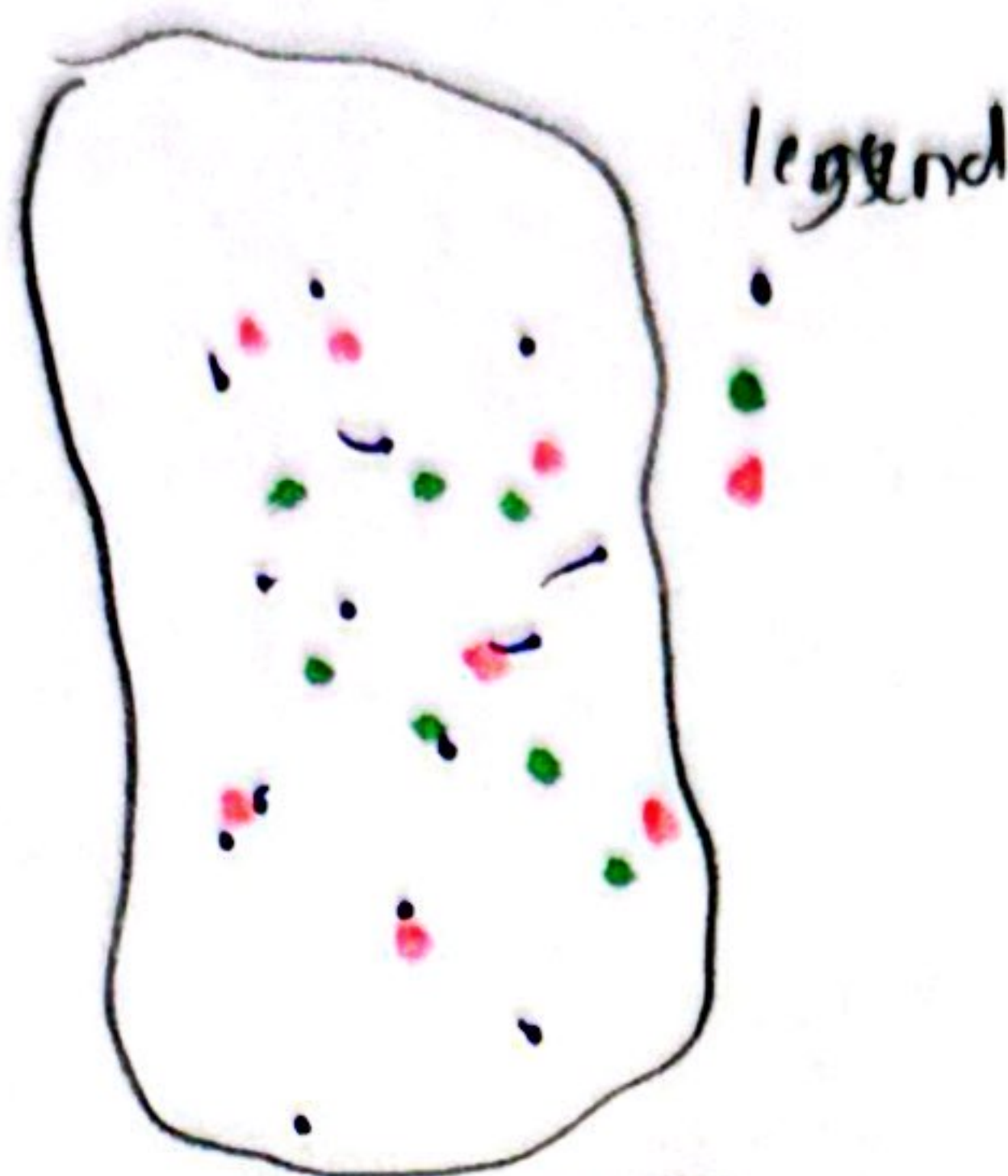
vic sports/recre centres

legend

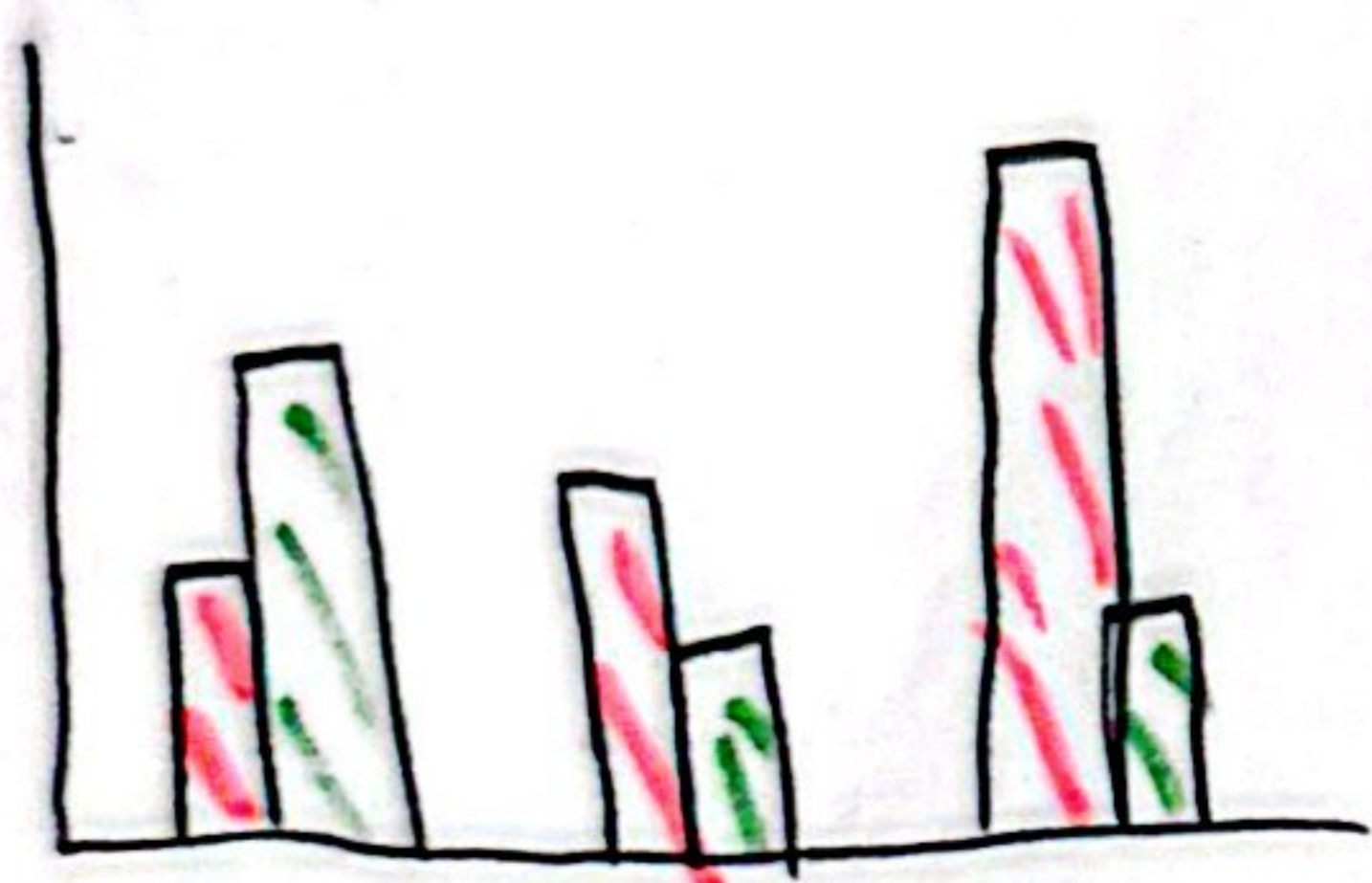


recre sports

legend



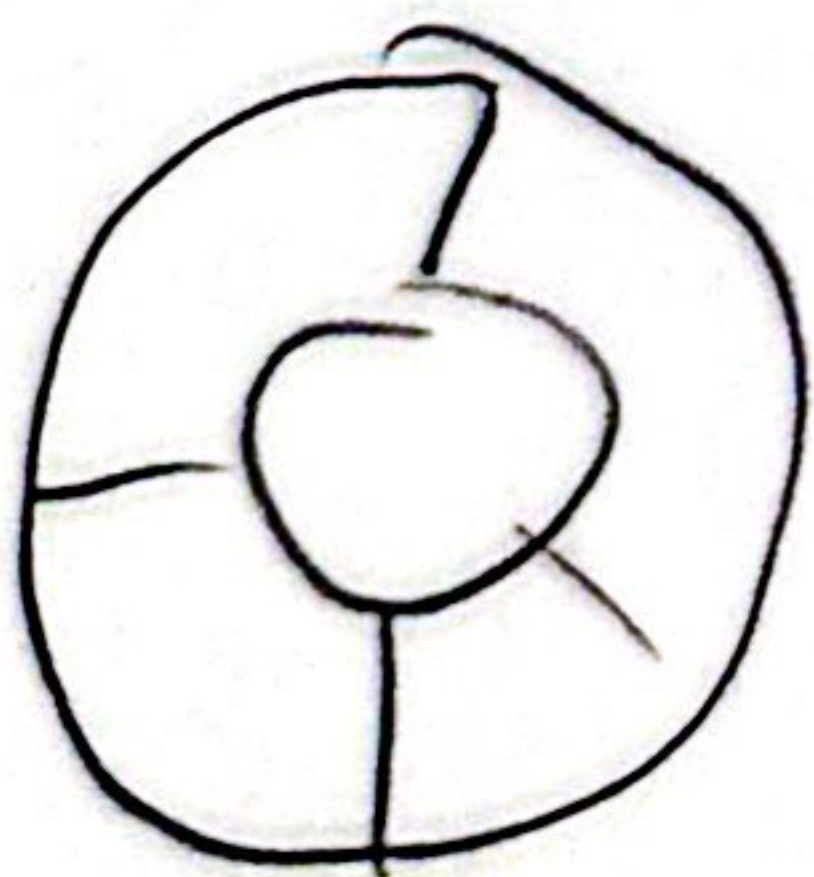
Gender and Locations



Location)



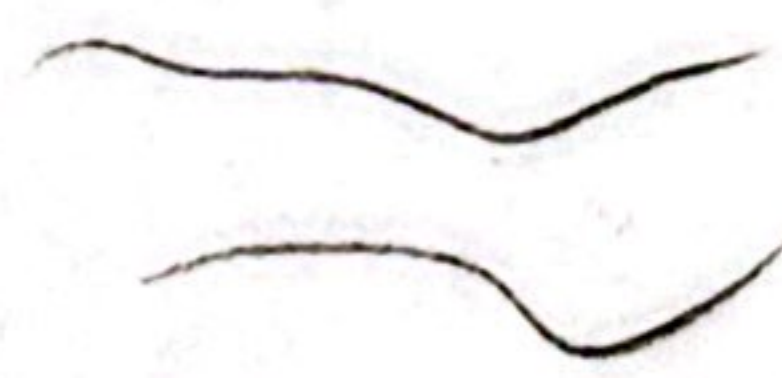
Barriers Adults



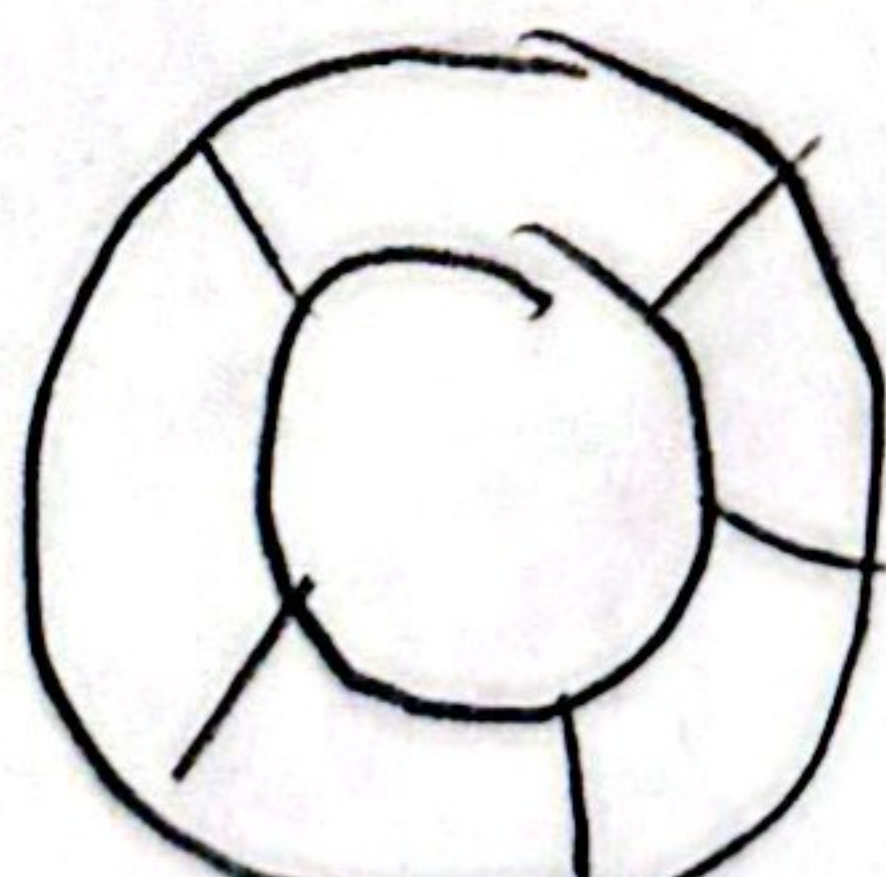
Motivation



Motivation



Barriers Child



Title: Sports and Recreational Facilities VIC
Author: Sineeth W
Date: 03/10/25
Sheet: 5
Task: FIT3179 A2

FOCUS

★ Even focus on all idioms with dot maps brought to the forefront of the dashboard.

↳ Tooltips and interactive legends on map to promote attention.

OPERATIONS

Dot maps

★ Dots represent facilities and types of facilities

★ Tooltips added to provide ~~useful~~ useful information

Bar Charts

★ Drop down menu helps filter for age brackets

★ Grouped bars allow for meaningful comparisons.

Pie Charts

★ Interactive legend used to show different barriers locally.

DETAIL

★ Dependencies would be using JavaScript and CSS styling to bring CSV data to life.

★ Using CSV files and mapshaper to filter for vic and local LGA.

★ Time period of 1 and a half weeks needed to create dash