

# **Exploring Urban Travel Patterns in Victoria**

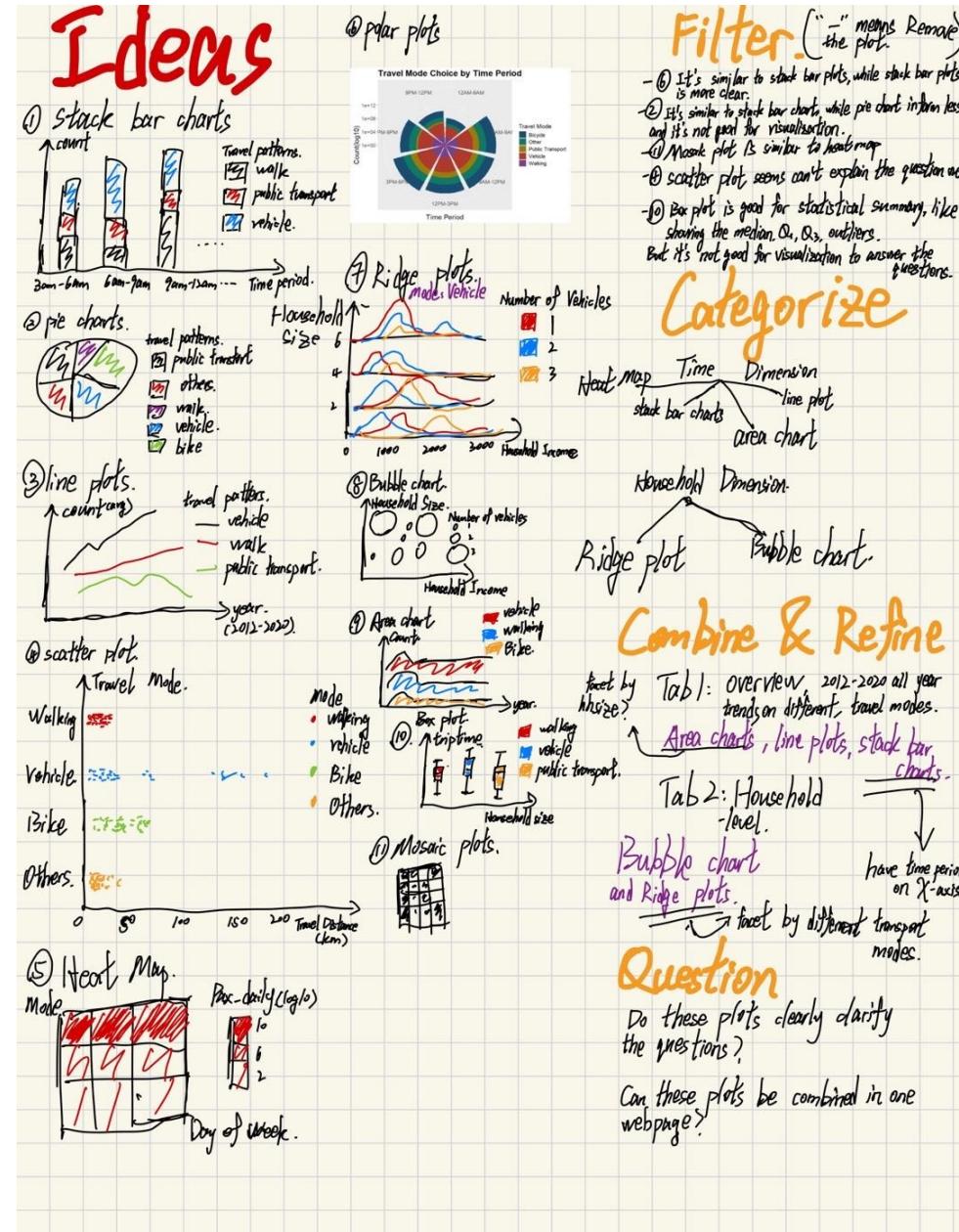
Jiwen Zhou

# Introduction

- This study focuses on exploring travel patterns in Victoria, Australia.
- Aim:
  1. identify how people's choice of travel modes varies with the time of day
  2. exploring how different household characteristics influence travel patterns
- Motivation: I am interested in analyzing and understanding the factors that influence the choices of travel modes in VIC, where transportation ways are different from my hometown.

# Sheet 1

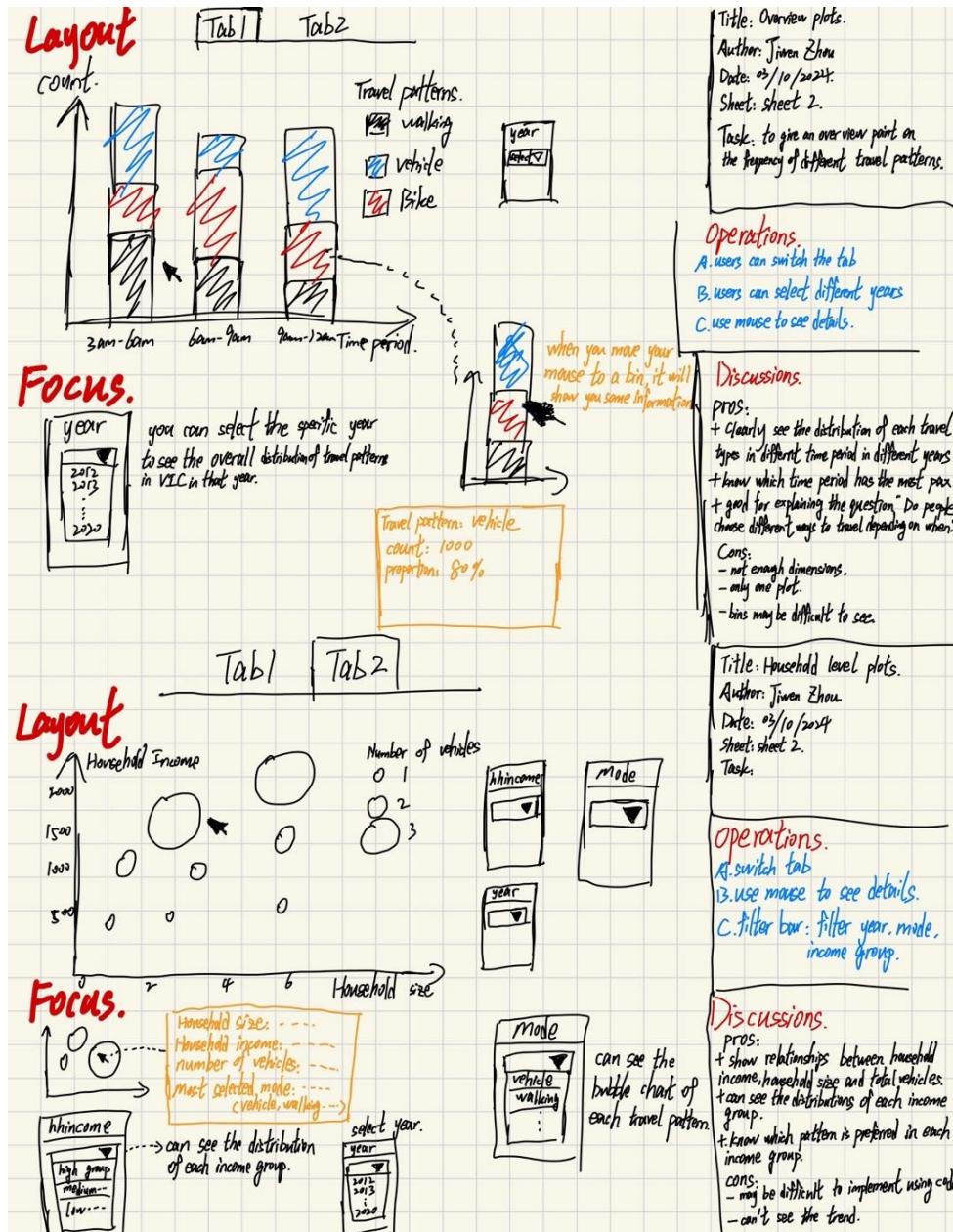
## Brainstorming



# Sheet2

Two tabs, each tab has one plot.

Each plot has interactive ways.

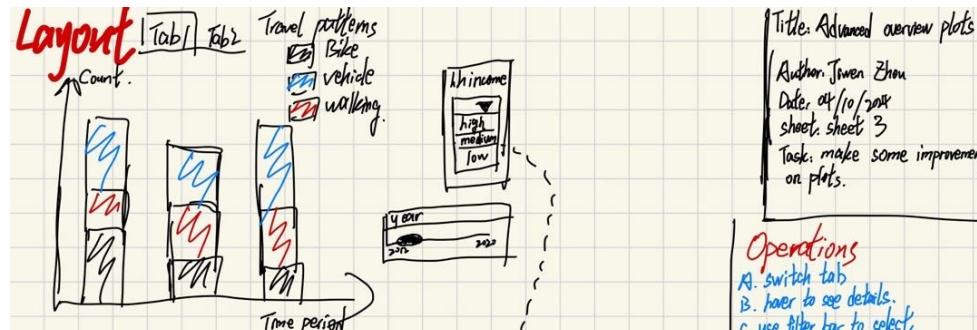


# Sheet 3

Two tabs, each tab has one plot.

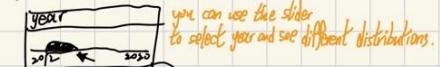
In tab2, change a different plot.

Each plot has interactive ways.



## Focus

Besides the detail text mentioned in previous sheet. You can now select income group and year.



Title: Advanced overview plots  
Author: Jiwae Zhou  
Date: 04/10/2014  
sheet: sheet 3  
Task: make some improvements on plots.

## Operations

- switch tab
- have to see details.
- use filter bar to select household income group
- use slider to select year.

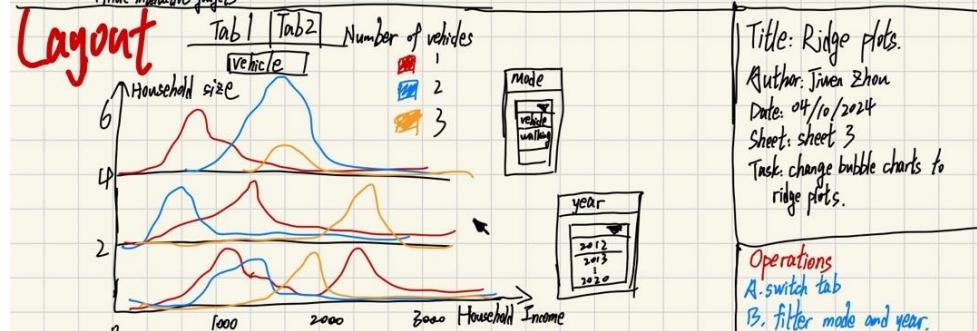
## Discussions

pros:

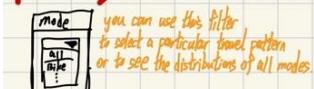
- + add a filter bar to select different group.
- + more dimensions
- + more interactive gadgets

cons:

- can add another plot.
- maybe consider using animation to make it more vivid.



## Focus



## Title: Ridge plots.

Author: Jiwae Zhou  
Date: 04/10/2014  
Sheet: sheet 3  
Task: change bubble charts to ridge plots.

## Operations

- switch tab
- filter mode and year.

## Discussions

pros:

- + good to answer Question 1.
- + show the relationships between three variables.
- + show different distributions.

cons:

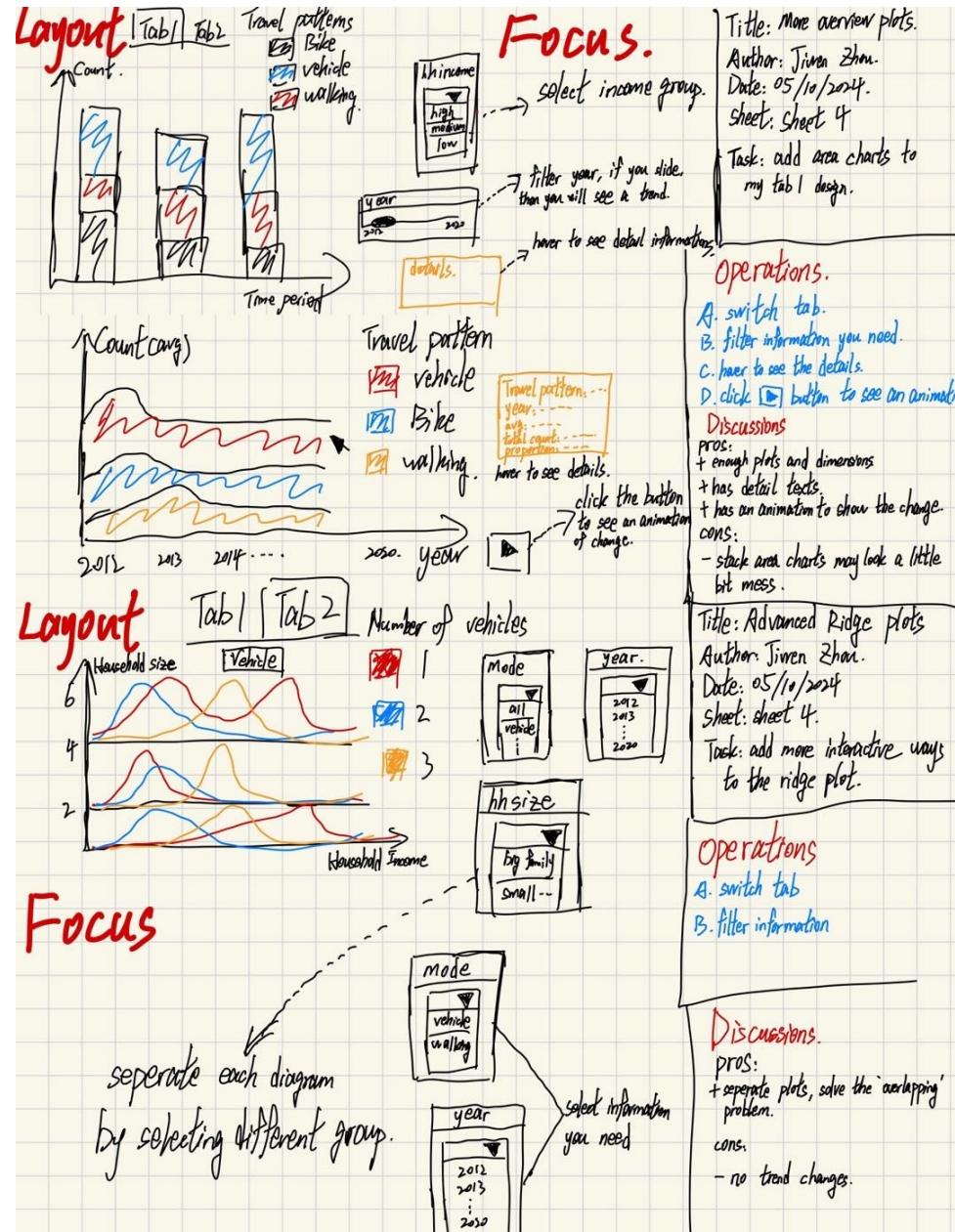
- density lines may overlap.
- can't see trend through the plot.

# Sheet4

Two tabs, each tab has one or more plot.

In tab1, add an area chart.

Each plot has interactive ways.



# Sheet5

## Final design

This is the final design.

DVP will be implemented according to this design.

Due to technical problems, such as coding problem, final project might be slightly different from the final design.

