

# Australia City Life Analytics on the Cloud

Harvesting Twitter

**Language Usage**

**Group 8**

# Team members

1

**Xiaoyi Han** 1130315

Ansible scripts

3

**Ziyuan Xu** 1124236

Web develop and deploy  
Dockerfile  
Report

2

**Ka Hou Hong** 1178062

Crawler and deploy  
Dockerfile  
Report, Demo

4

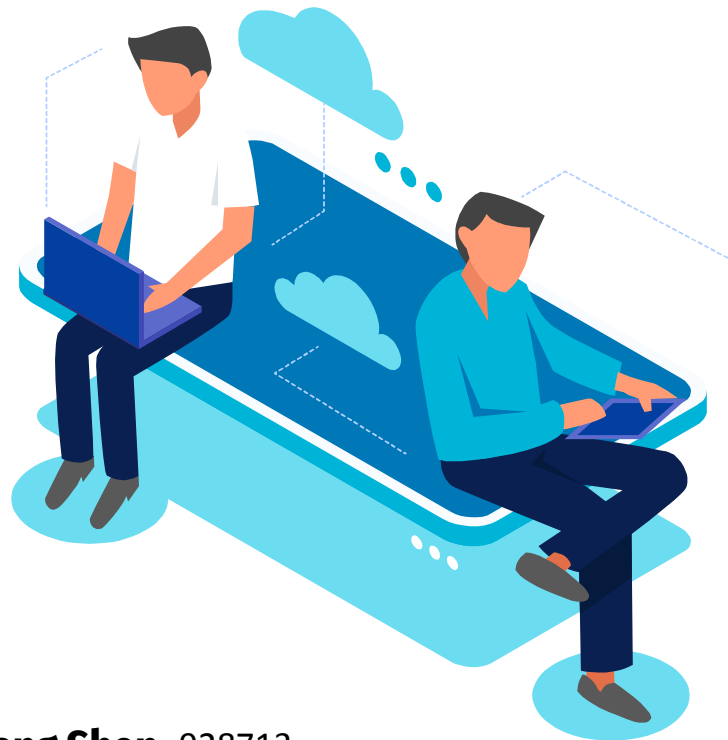
**Xiaoyue Lin** 924655

Crawler and deploy  
Dockerfile  
Report, Demo

5

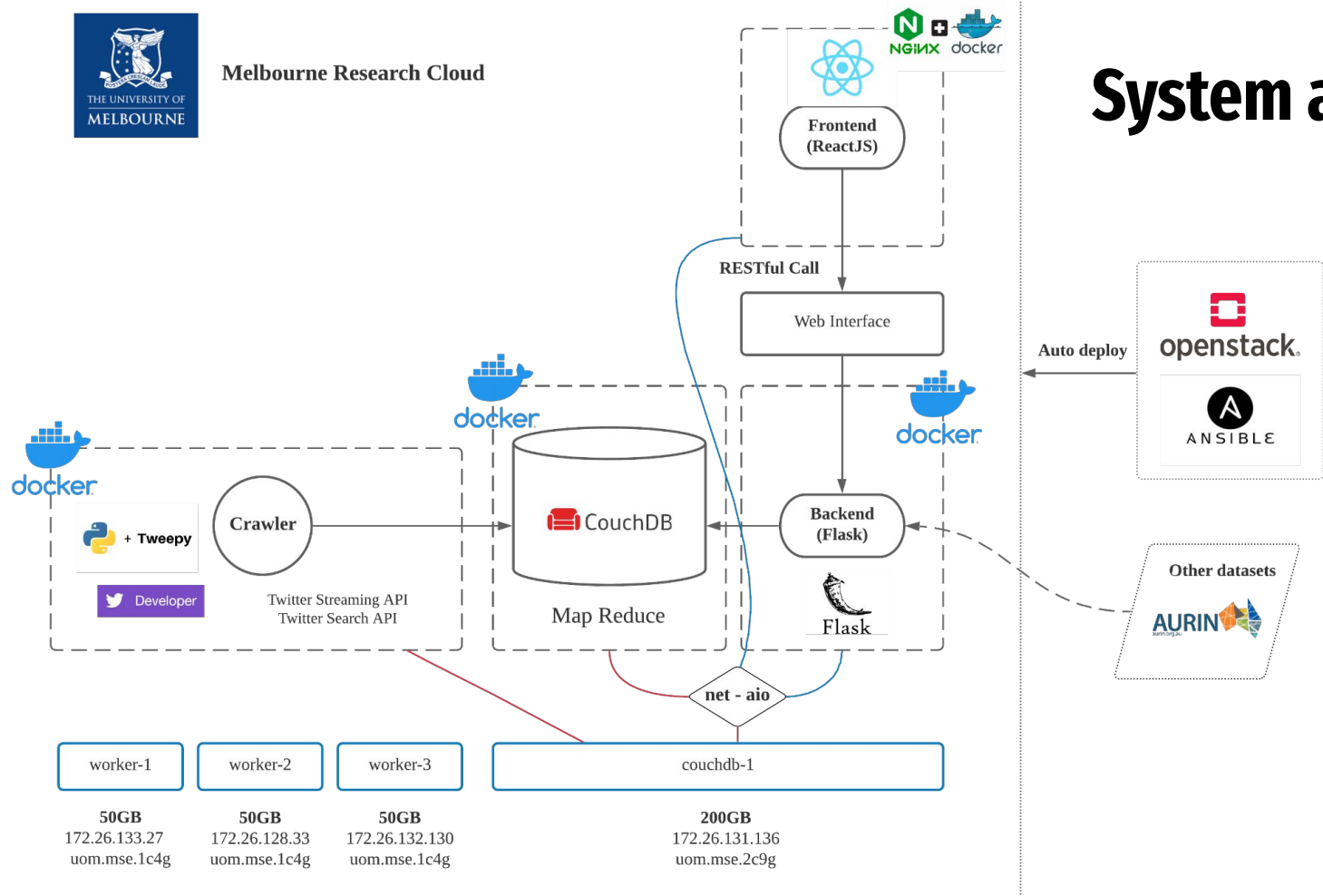
**Xingyang Shen** 928713

Crawler  
Visualization result analysis  
Report





Melbourne Research Cloud



# System architecture

# 5 Tweet scenarios and background

## Vugar & states

Computing the  
percentage of  
explicit tweets in  
each state

1



- Explore Australian city life by tweets
- Vulgar Tweets are interesting

# 5 Tweet scenarios

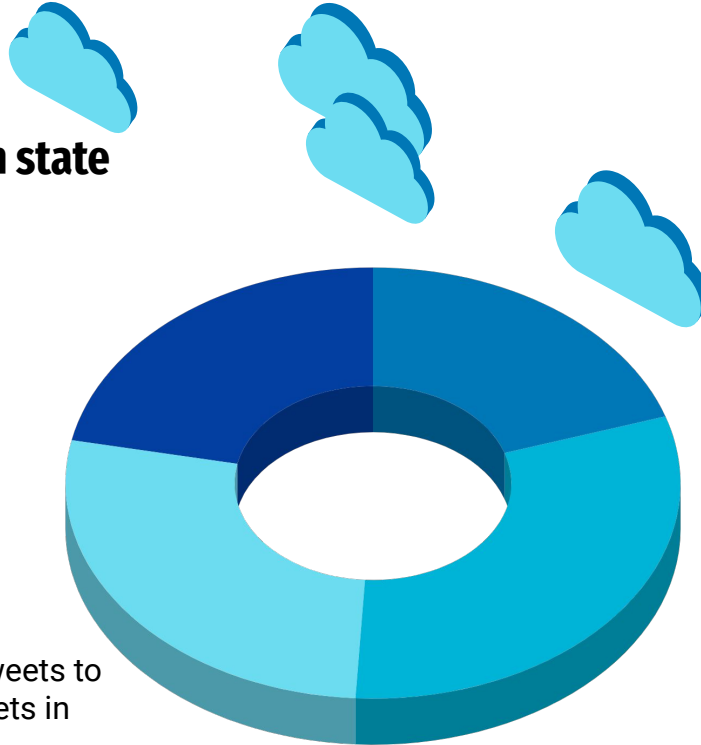
02

## TOP3 vulgar words each state

Using barchart to study the top 3 commonly used vulgar words in each state

## 04 Clean VS Vulgar Compare Hashtags frequency each state

Comparing the word cloud of hashtags with swear words tweets to that without swear words tweets in each state



03

## Word cloud of vulgar words in Australia

Making a word cloud of vulgar words to detect which swear words are more commonly used in the whole of Australia

05

## Vulgar, Income

Comparing the vulgar percentage to the average of annual personal income of each state

**Thank you**