

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, Demo

2

Ka Hou Hong 1178062

Crawler and deploy
Dockerfile
Report, Demo

4

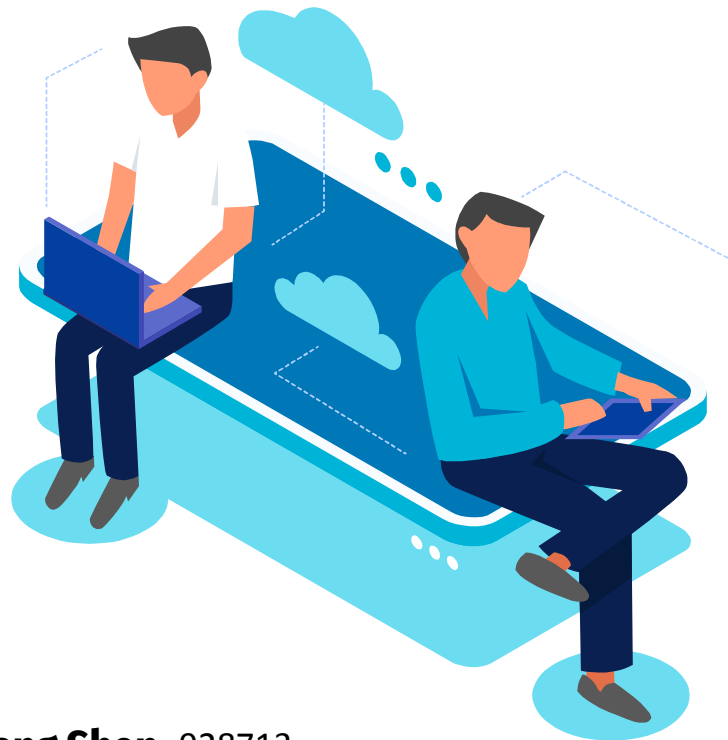
Xiaoyue Lin 924655

CouchDB Mapreduce
Data analysis
Report, Demo

5

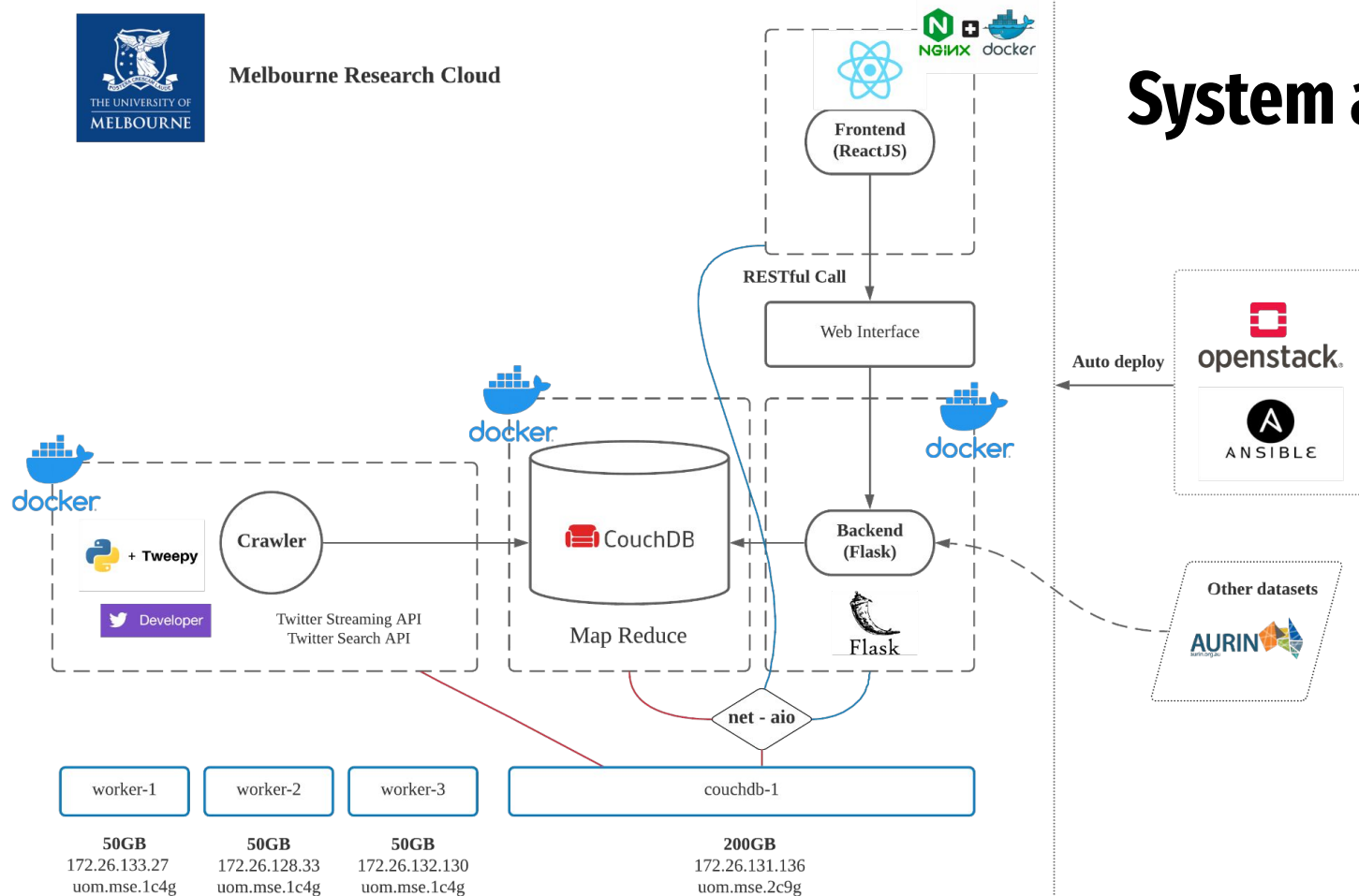
Xingyang Shen 928713

Crawler
Visualization result analysis
Report, Demo





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

<http://172.26.131.136:3000/>

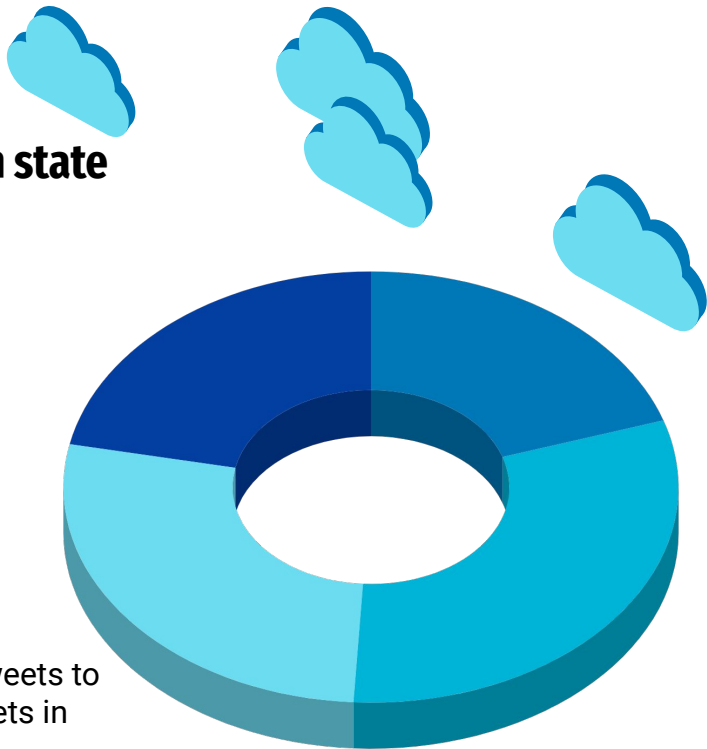
02

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