

SINGAPORE'S NEXT CBD

AN OVERVIEW

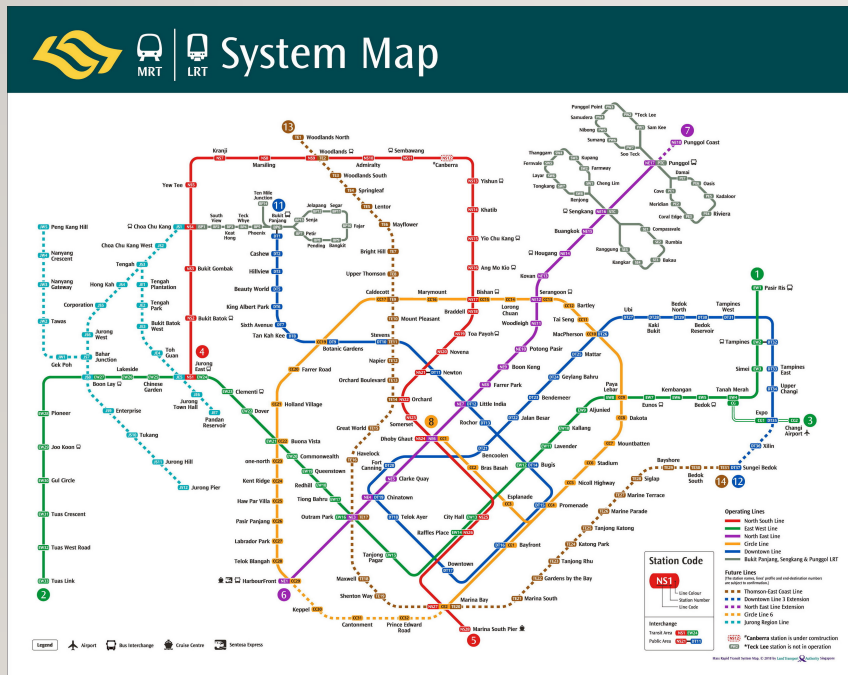
INTRODUCTION-RATIONALE

- Singapore is a city state with a relatively small land mass. Consequently, urban planning becomes a difficult issue. Any lack of planning thereof may easily snowball into a serious problem where mitigation may be extremely costly.
- However, with the ever-increasing population and to ensure fair development between the different areas in Singapore, as part of the urban redevelopment strategy, Jurong East has been selected and to be redevelopment as a potential “second” Central Business District in the country.

INTRODUCTION-RATIONALE

- It is useful to plan, and to look for other potential regions in which new CBD areas may potentially be set up, so that planners can hit the ground running.
- Government officials may also need be able to use this understanding to convince the local population when the need eventually arises, since the transparency of a data-driven approach may be able to better explain it to the local population when the need comes. This project aims to provide a potential solution to the problem discussed here.

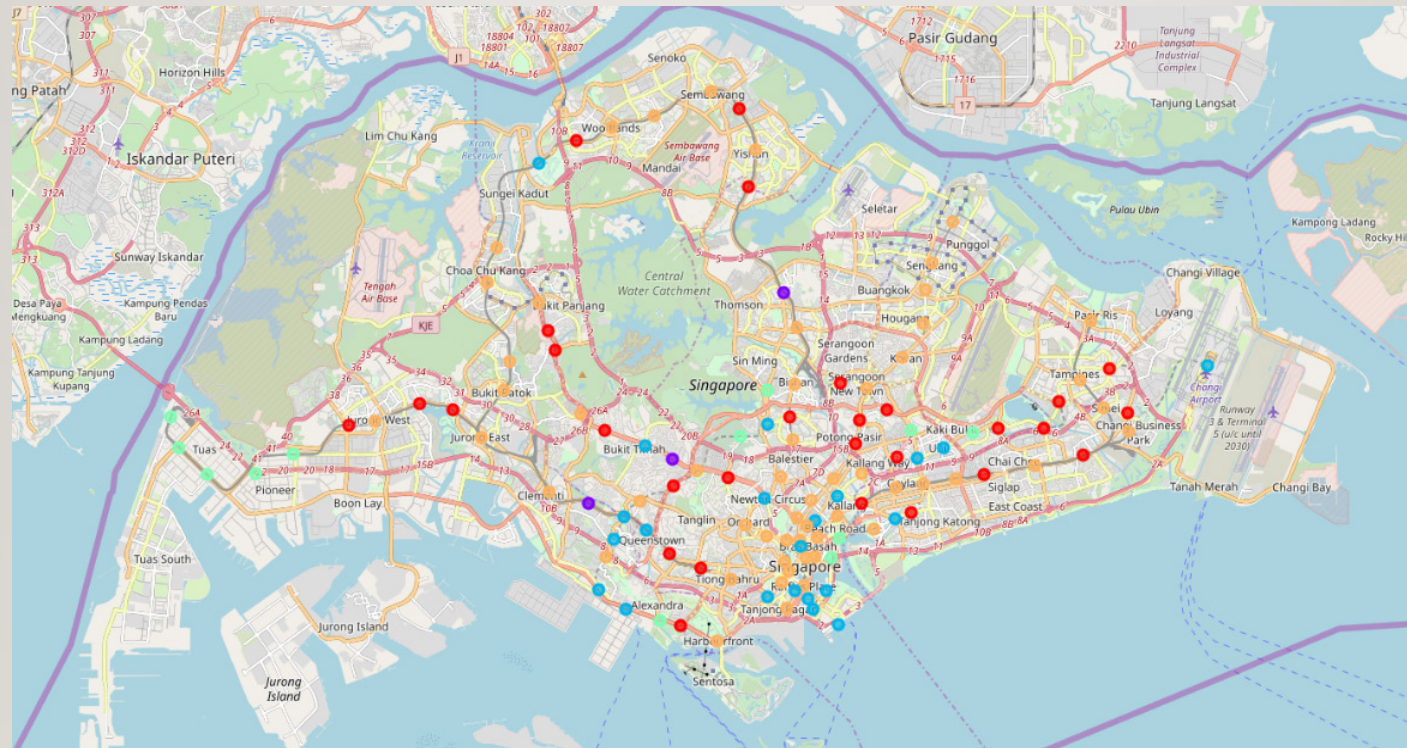
DATA DESCRIPTION



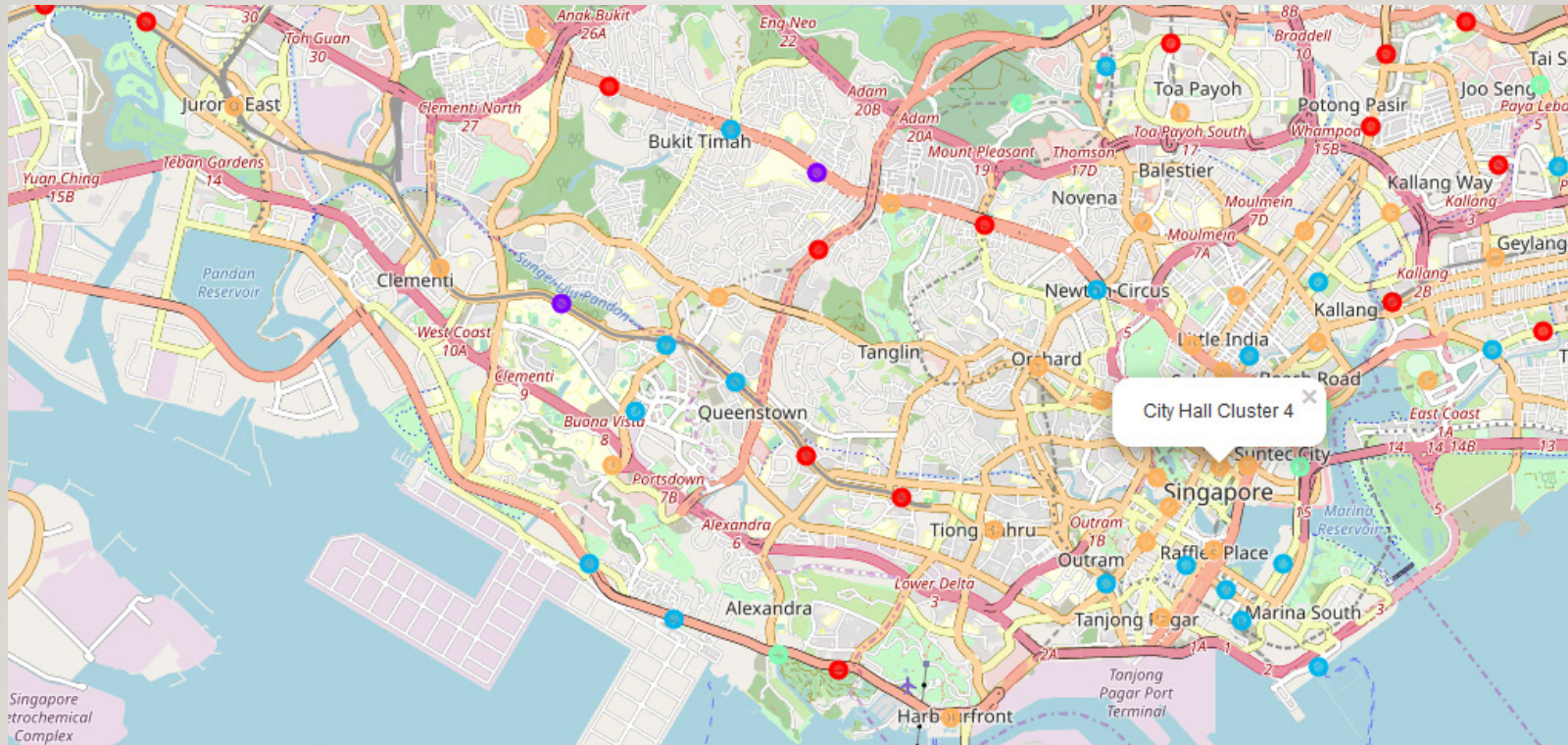
- GPS Data of each location fed into Foursquare's API
- Nearby businesses are used to categorise the MRT stop using K-Means to determine suitability

(https://www.transitlink.com.sg/images/eguide/mrt_sys_map.htm)

RESULTS



RESULTS



DISCUSSION AND CONCLUSION

- Data consistent with existing understanding of CBD (Same type of businesses)
- The proposed new CBD area is appropriate in providing the necessary support services for a CBD
- There are other possible CBD areas in Singapore

[16]:

	Grouping	Abbrv	1st Most Common Venue	2nd Most Common Venue	3rd Most Common Venue
4	2	BFT	Event Space	Office	Jewelry Store
10	2	BDM	Office	Building	Café
16	2	BBS	College Classroom	Office	Café
23	2	BNV	Office	Miscellaneous Shop	Café
24	2	CDT	Flower Shop	Building	Office
27	2	CGA	Airport Terminal	Office	Gift Shop
34	2	COM	Building	Office	Residential Building (Apartment / Condo)
38	2	DTN	Office	Coffee Shop	Café
48	2	HPV	Office	Automotive Shop	Residential Building (Apartment / Condo)
52	2	JLB	Office	Hardware Store	Furniture / Home Store