Explore along Hong Kong Tramways

II.   Data Collection and Preparation

Data

The main data required in this project include:-
(a) location of the tram stops and;
(b) venues close to the respective tram stops.

(a) Location of the tram stops

As there is no ready made data-frame corresponding the tram stops to their locations, I have to manually prepare the location data for this project.

Names and neighborhoods of each tram stops can be found in the official website of the Hong Kong Tramways.

The coordinates of each tram stops is then obtained from Google Map.

(b) Venues close to the respective tram stops

I use the Foursquare API to explore the venues close to each tram stops.

As Foursquare categories the high-level venues into more sub-categories, I am able to obtain venue data with respect to different themes. For examples:

- Arts & Entertainment (4d4b7104d754a06370d81259)
- Food (4d4b7105d754a06374d81259)
- Outdoors & Recreation (4d4b7105d754a06377d81259)
- Shop & Service (4d4b7105d754a06378d81259)