INTRODUCTION

(Capstone Project - The Battle of Neighborhoods (Week 1))

1.1 Scenario and Background I am currently living in Singapore, within walking distance to Downtown "Telok Ayer MRT metro station" . I also enjoy great venues and attractions, such as international cuisine, entertainment and shopping. I have an offer to move to work to Manhattan NY and I would like to move if I can find a
place to live similar with similar venues.

1.2 Problem to be resolved How to find an apartment in Manhattan with the following conditions: • Apartment with min 2 bedrooms • Monthly rent not to exceed US$7000/month • Located within walking distance (<=1.0 mile, 1.6 km) from a subway metro station in Manhattan • Venues and amenities as in my current residence.

1.3 Interested Audience I believe the methodology, tools and strategy used in this project is relevant for a person or entity considering moving to a major city in US, Europe or Asia. Europe, US or Asia, Likewise, it can be helpful approach to explore the opening of a new business. The use of Foursquare data and mapping techniques combined with data analysis will help resolve the key questions arisen. Lastly, this project is a good practical case for a person developing Data Science skills.

- Achal Shakywar