



## **Intended Audience**





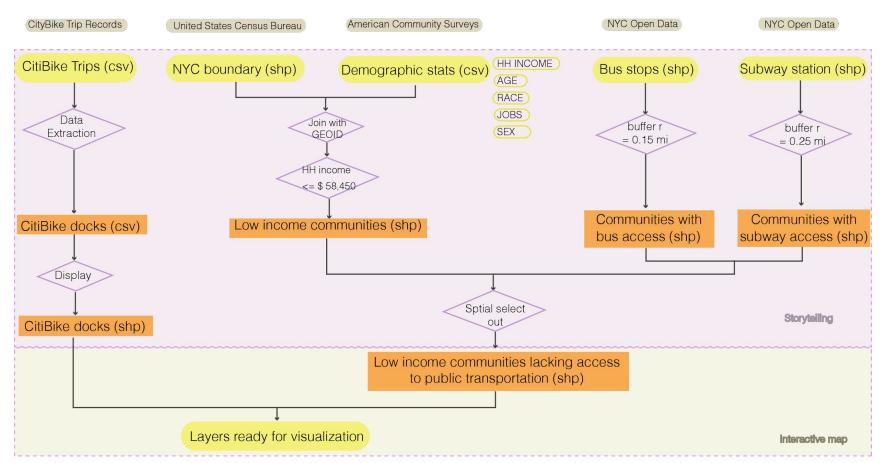


**Policy Makers** 



**Investors** 

# **Data Processing**



# **Communities Clustering Method**

data\$cluster

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• 0.00

0.25 0.50 0.75

### Model:

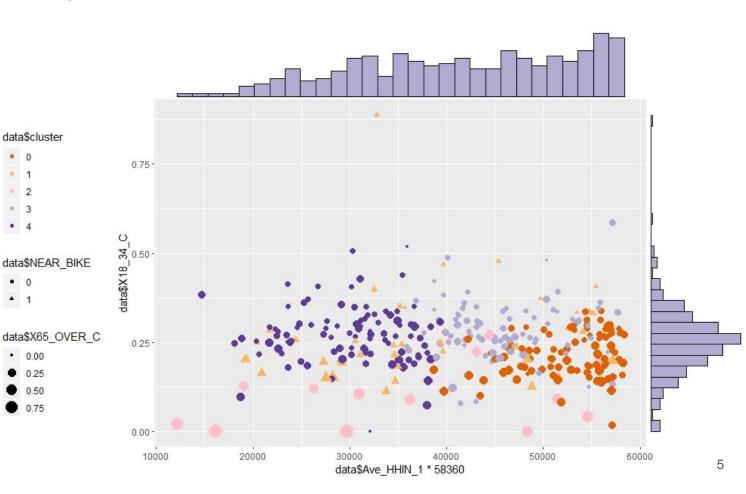
K-means clustering

### 5 Clusters:

Lack of Bikeshare Stations **Near Existing Stations Elderly Community** Young Commnuity High Unemployment

#### Variables:

Average Household Income Male % Female % Less than 18 % 18-34 % 35-64% Over 65 % Unemployment % Whether near bikeshare stations





## **Limitation / Future Ideas**

1. In order to give more specific policy suggestions on improving bikeshare access in different community clusters, we need to explore more why people are not able to/ not willing to use bikeshare.

2. After we know more about cultural reasons behind bike sharing access, we can include race characteristic data in the community clustering model and give more specific suggestions.

3. Improve the methods of detecting the communities with access to transportation (e.g. based on the real road networks instead of based on a circle buffer; taking consideration of the arrival frequency).