

The Curious Curators



CARING FOR SENIOR NEW YORKERS

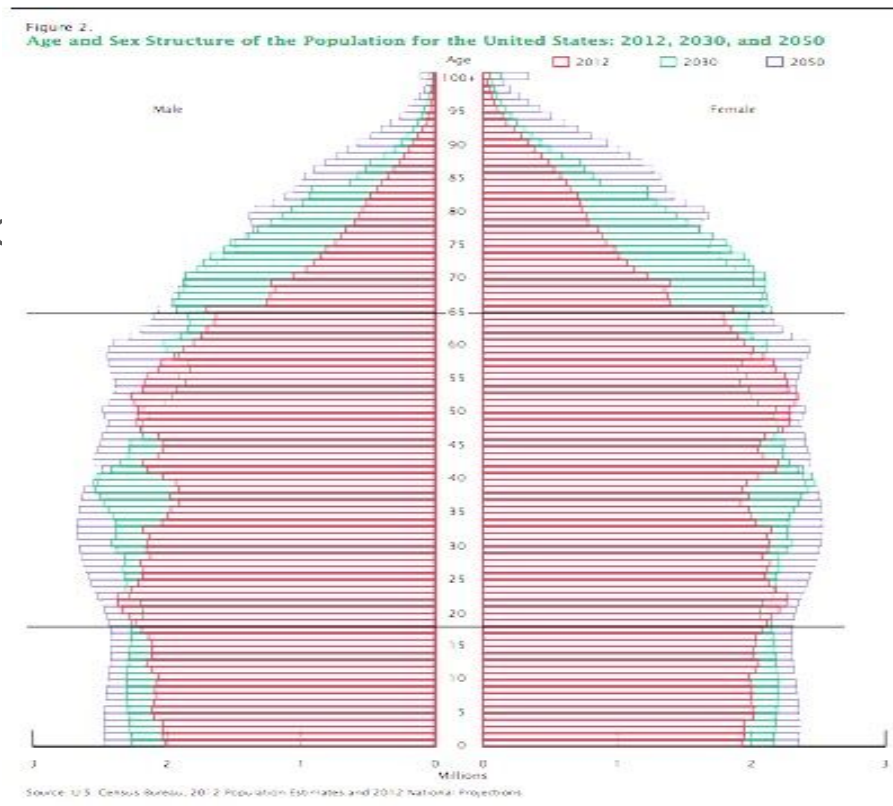
Mapping the perfect neighbourhood for elderly
people



Importance of the Problem

In 2050, the population aged 65 and over is projected to be 83.7 million, almost double its estimated population of 43.1 million in 2012.

In NYC in 2040, is expect the elderly population 60 years and older living in New York City numbered 1,407,635,



Distribution of Elderly People in NYC

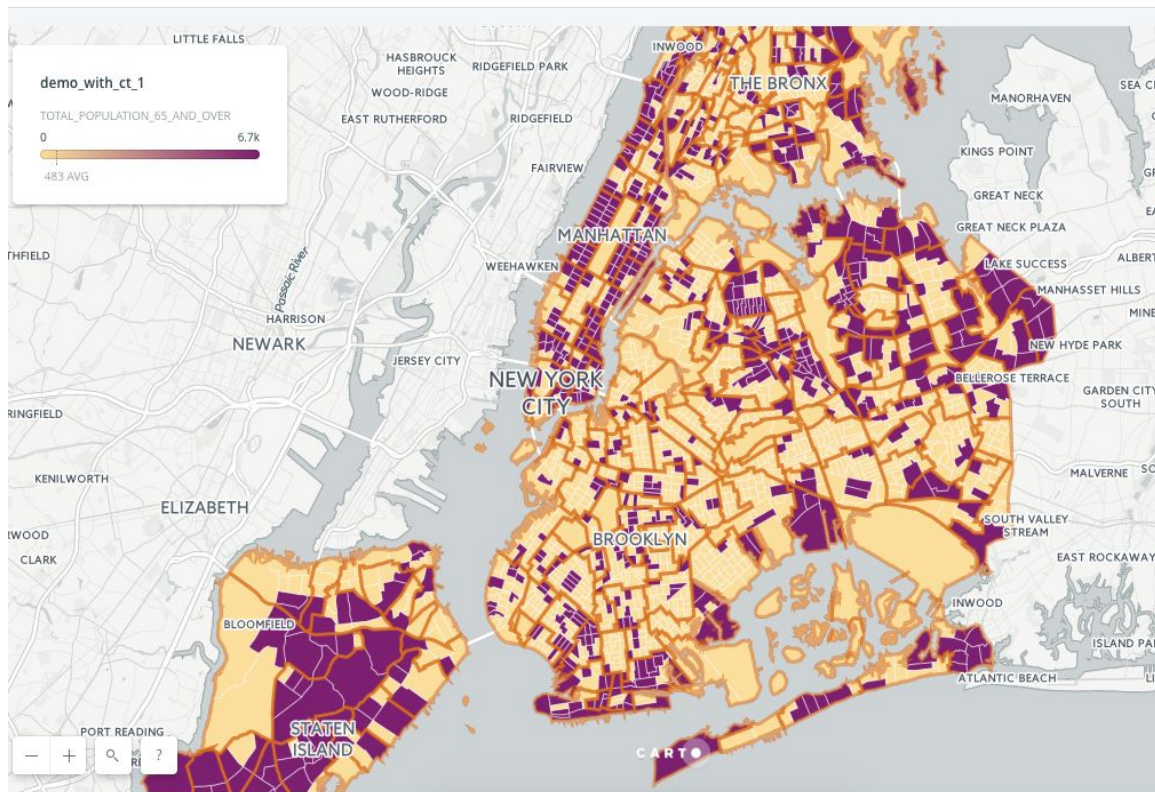
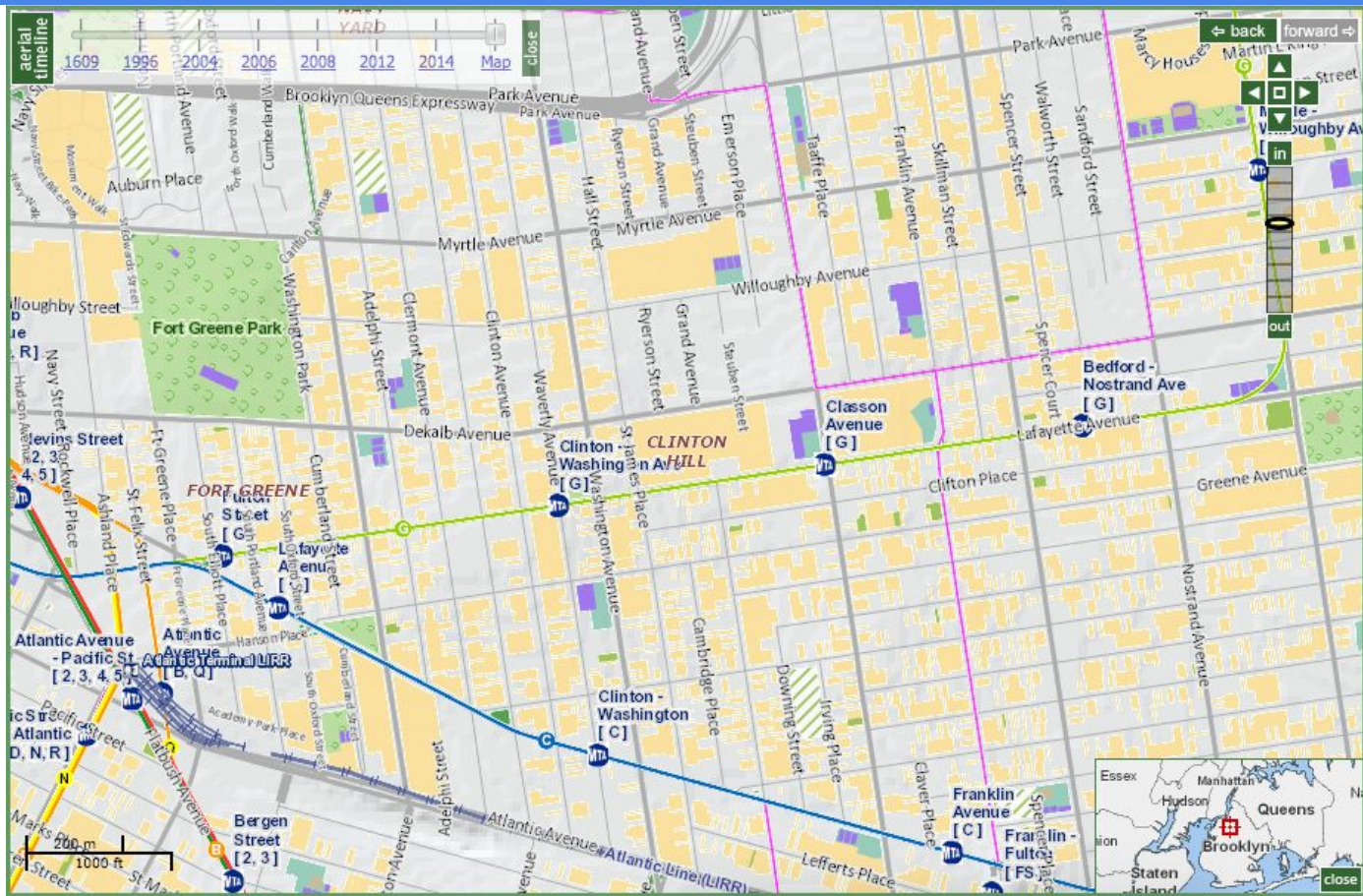


Fig. 1: Elderly
Distribution in CartoDB

NYC: A CITY OF NEIGHBORHOODS



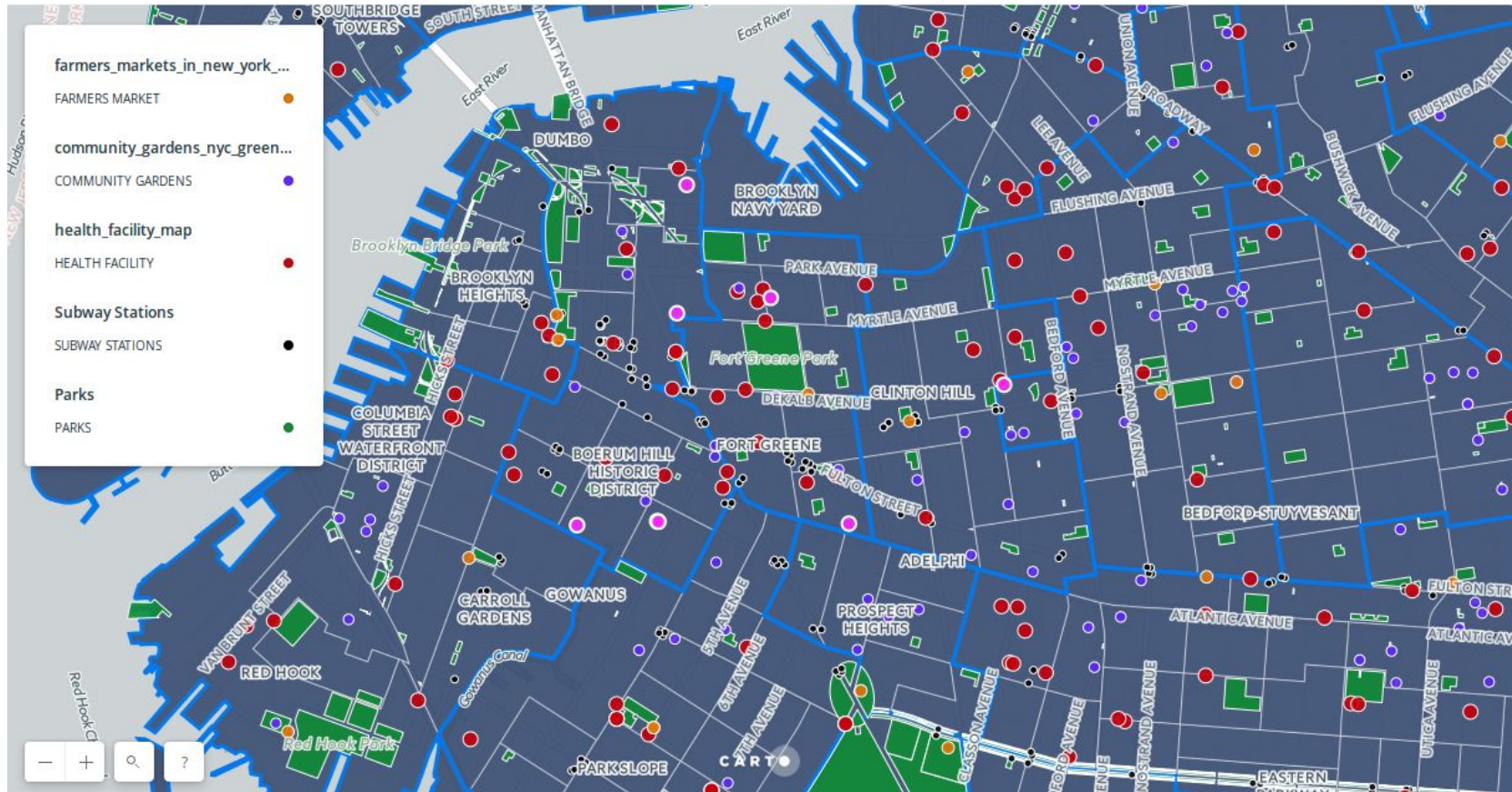
Accessibility



Quality of Life Indicators

- Parks and Recreational areas - Community Gardens, Art Galleries, Theatres, etc.
- Transit Accessibility: subway stations
- Proximity of Food Retailers and Farmer Markets.
- Health Services: Adult care centers, Hospices, Hospitals
- Social Services: Community centers, Senior centers, Religious centers, Libraries,...
- Nutrition Accessibility : Farmer's Garden, Grocery stores.

Our Map



Equation of Quality of Life

$$\text{Quality Of Life} = \frac{W_T * I_T + W_N * I_N + W_S * I_S}{\text{Population (65+)}}$$

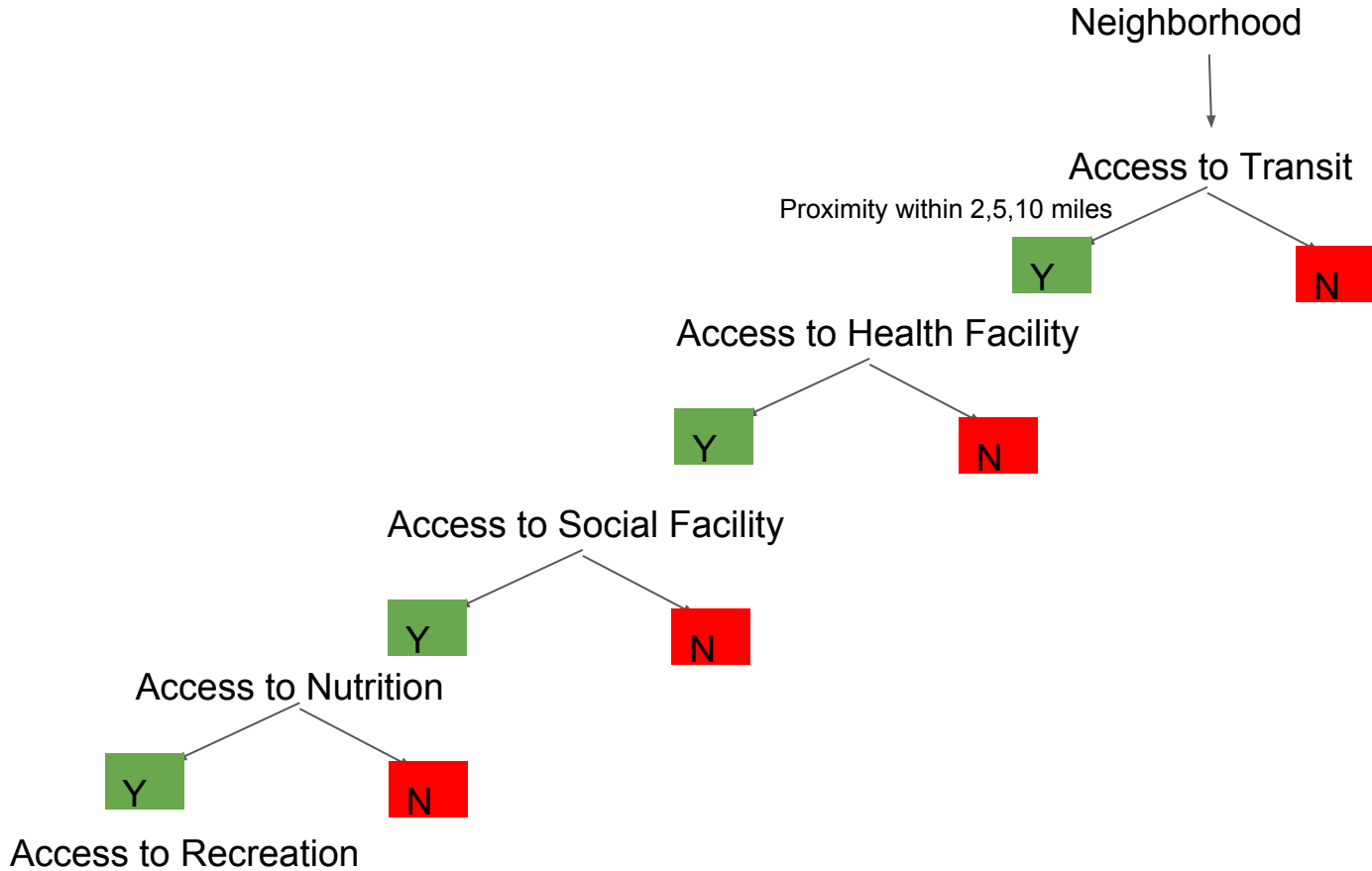
Variables:

- Transit
- Necessities: Food & Health Services
- Social & Recreation Facilities

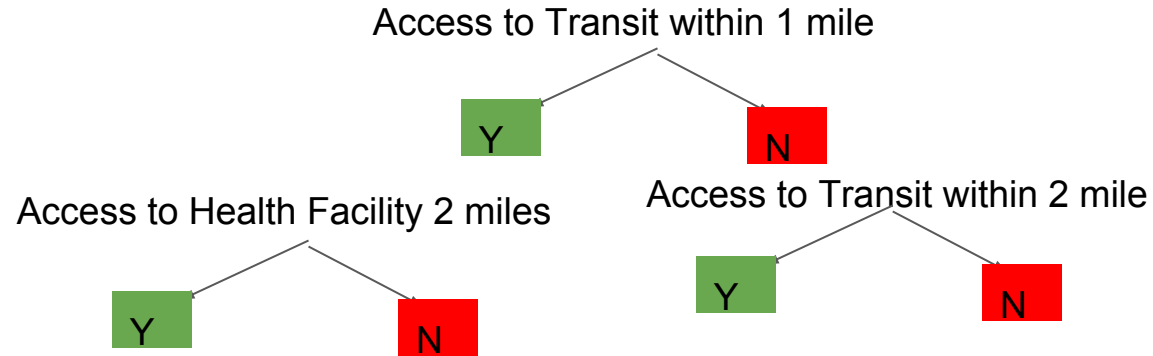
Weighted coefficient of variation:

- Proximity (within radius of ½ miles)
- Number
- Ranking order (On scale 1-5)

Decision Tree...Way forward




Decision Tree...Way forward



Emergency: how to see where senior people live?

Data

Applications Information - Senior Services & Programs:

- Local Senior Centers
 - Home Care Services (e.g. Home-meal delivery)
 - Legal Services
 - Department of Finance: Homeowners Exemption, Stabilized Rent (yearly lease)
- 

Communication

- Local senior centers
- Wearable alert systems

Aggregated list of sources

Brooklyn versus New York City

Brooklyn is representative of New York City in terms of elderly population demographics

Brooklyn Stats

BROOKLYN RESIDENTS WHO ARE OLDER ADULTS (60+)

16%

17%

OLDER ADULTS (60+) LIVING ALONE

28%

29%

OLDER ADULTS (65+) LIVING IN POVERTY (CEO)

29%

23%

OLDER ADULTS (60+) PRIMARY LANGUAGE NOT ENGLISH

48%

46%

OLDER ADULTS (60+) WITH SELF-CARE/MOBILITY DIFFICULTY

28%

27%