

K-Means Clustering Analysis

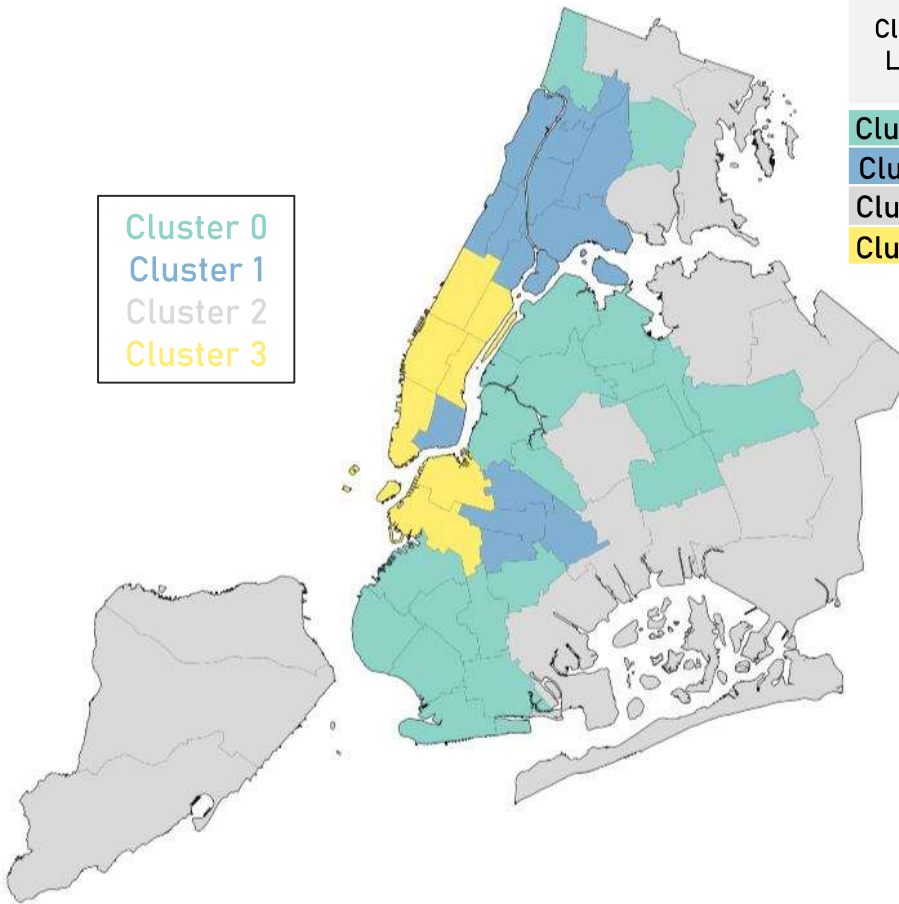
NYC Neighborhood Accessibility and Livability

Mike Carper

Results

NYC Neighborhood Accessibility and Livability

PUMA Clusters



Cluster Input Variable Averages

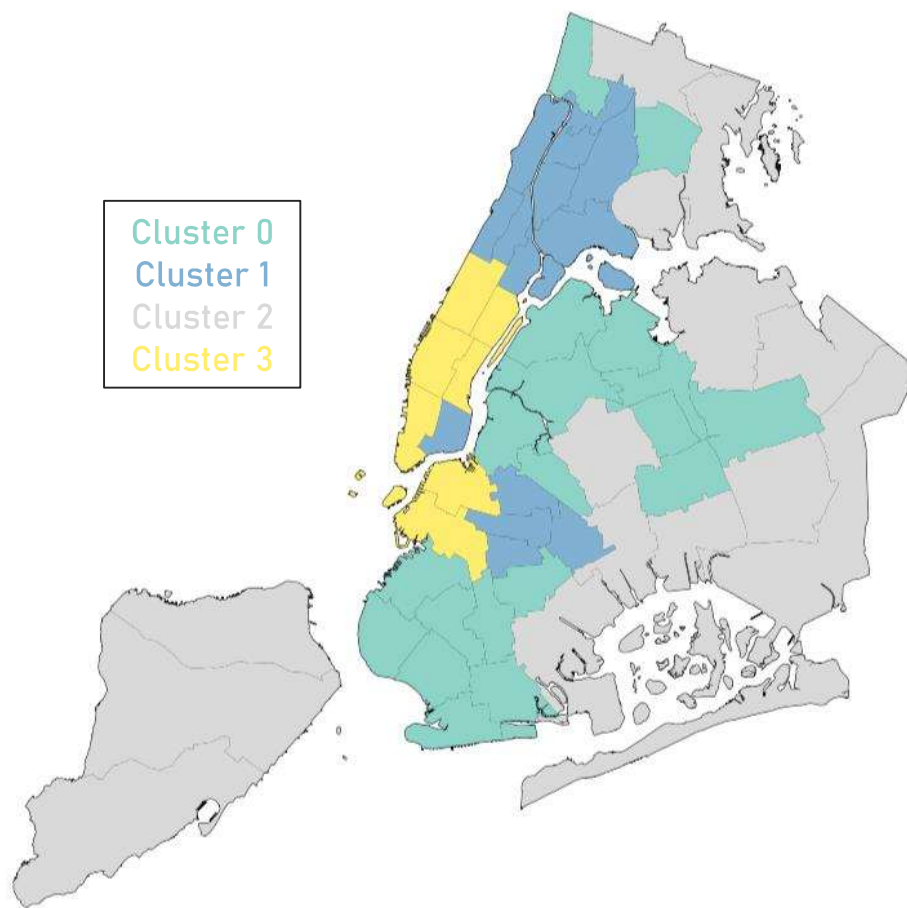
Cluster Label	Park Access	Job Access	Computer Access	College Degree	Employed	Rent <30% of HH Inc	Subway/Bus Access	Infant Mortality	# PUMAs
Cluster 0	75.6	95.3	75.3	35.9	94.0	44.7	43.7	3.21	19
Cluster 1	97.0	98.9	66.3	28.1	90.8	43.0	68.0	4.72	14
Cluster 2	67.5	39.5	76.7	27.9	93.5	46.0	22.3	4.81	15
Cluster 3	95.4	100.0	89.6	76.9	95.8	60.5	72.4	1.74	7

Variable

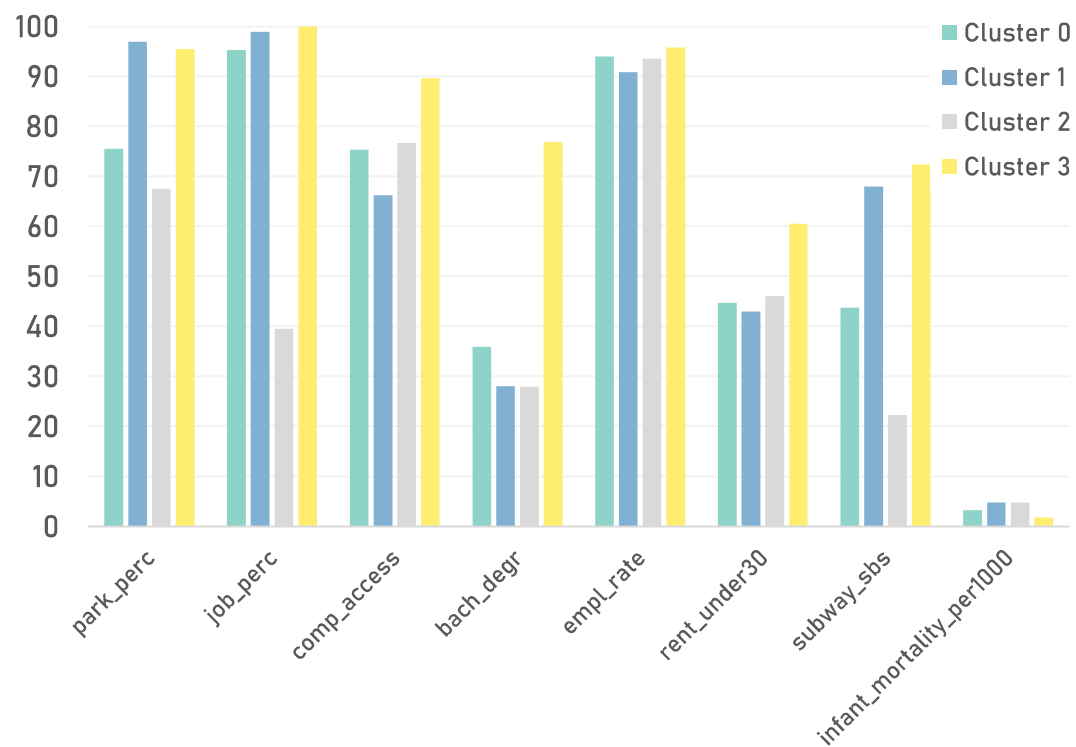
Definition

Park Access	% of population with access to a park
Job Access	ratio of jobs accessible within 30 mins by transit to labor force participants (*100)
Computer Access	% of households with a computer
College Degree	% of population 25 years and older with a bachelor's degree or higher
Employed	% of labor force participants 16 to 64 years old who are employed
Rent Under 30% of HH Income	% of households paying less than 30% of their income on rent
Subway/Bus Access	% of population within 1/4 Mile of Subway Stations and SBS Stops
Infant Mortality	infant mortality per 1000 live births
# PUMAs	Number of PUMA geographies included in cluster

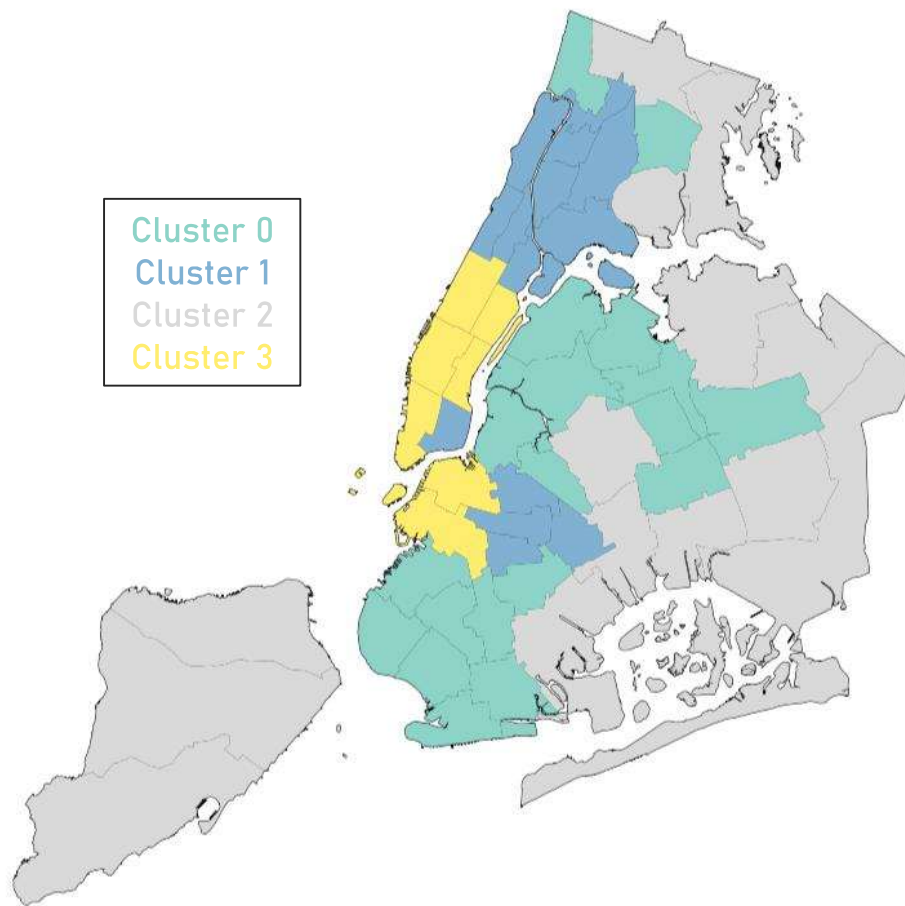
PUMA Clusters



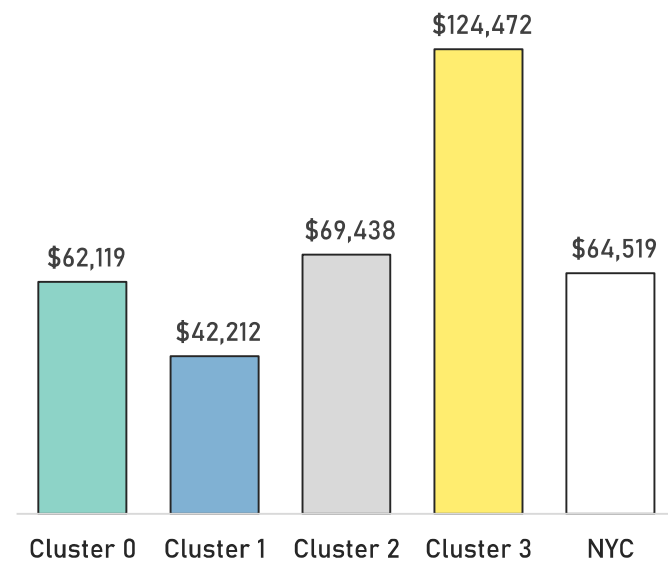
Cluster Input Variable Averages



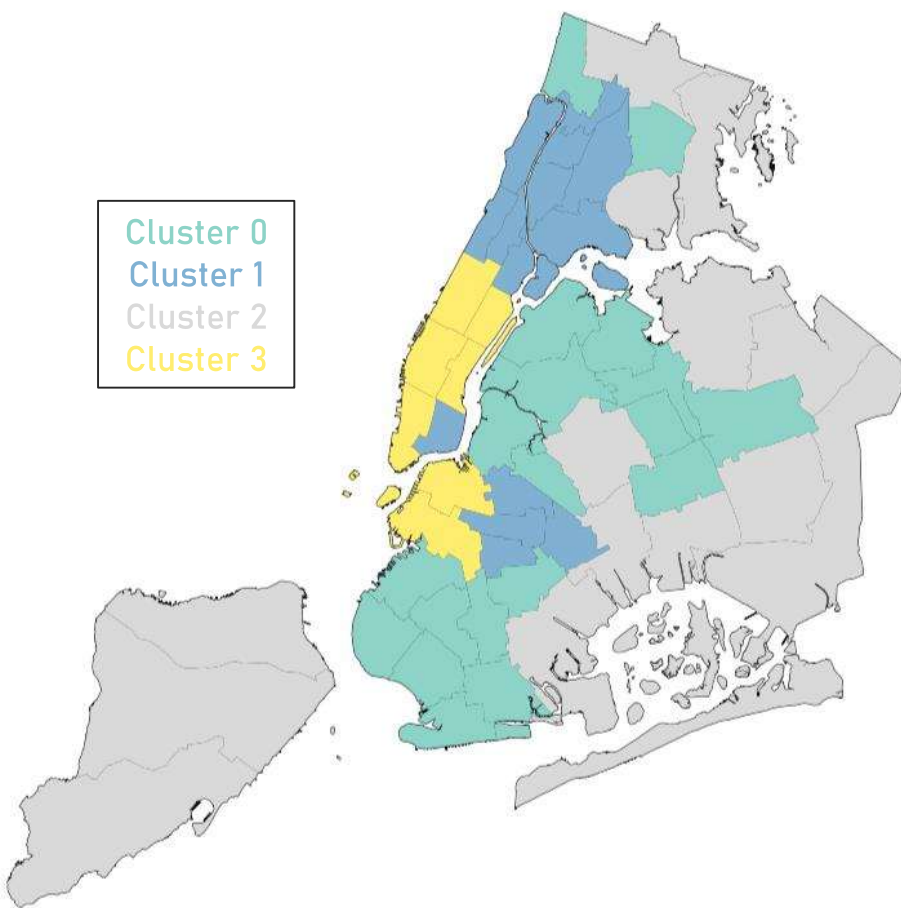
PUMA Clusters



Cluster Median Income



PUMA Clusters



Cluster Race/Ethnicity Makeup

