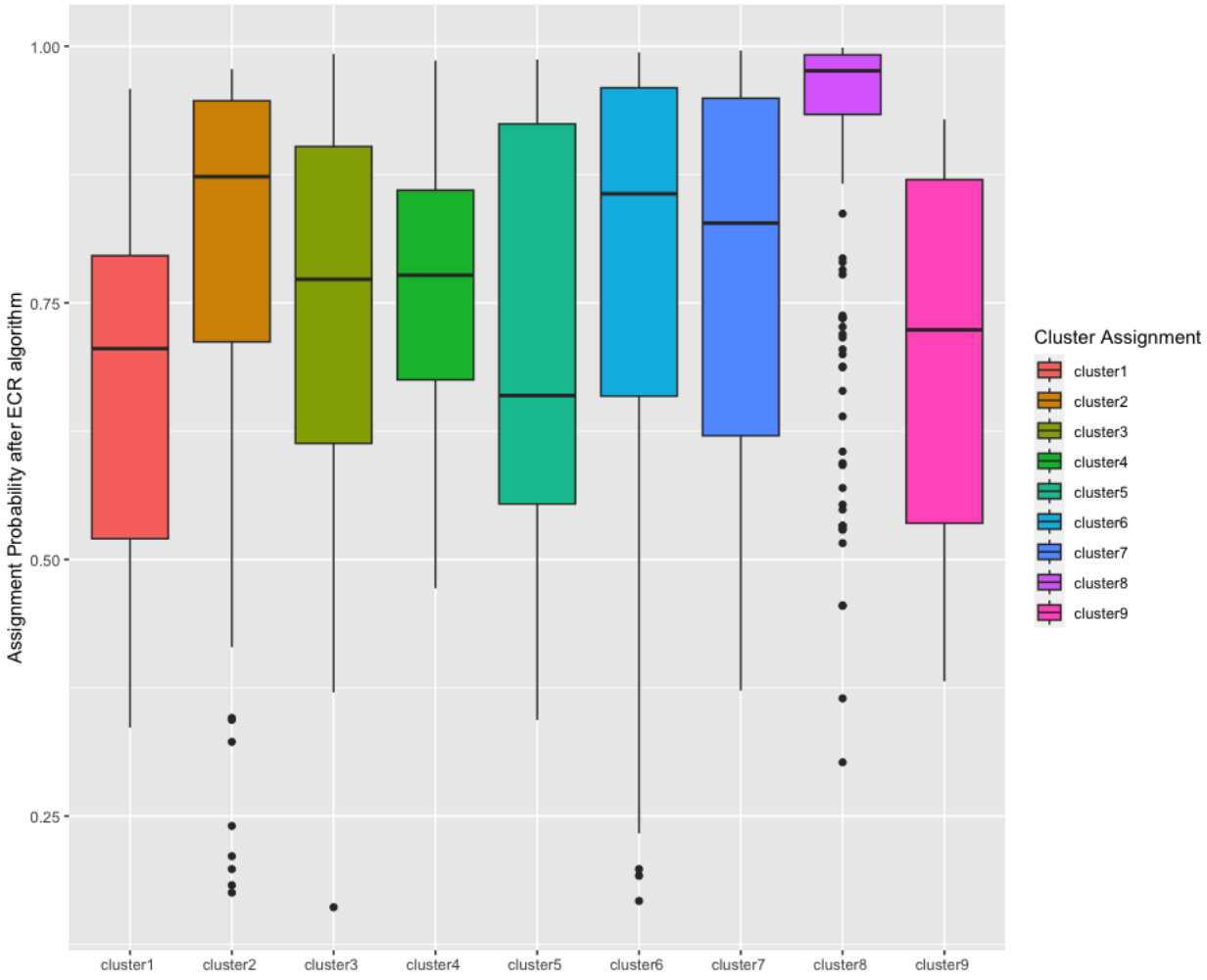
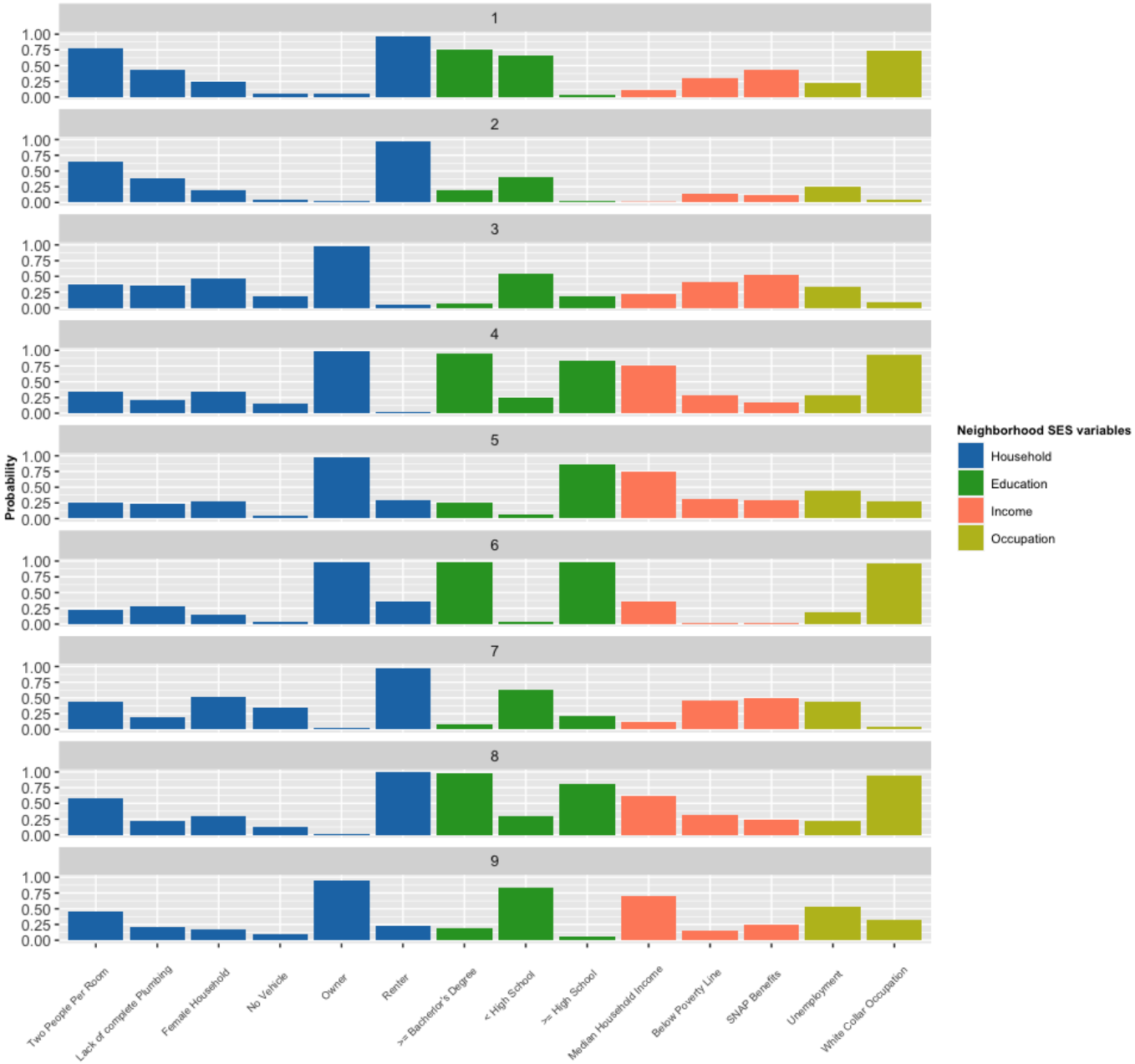
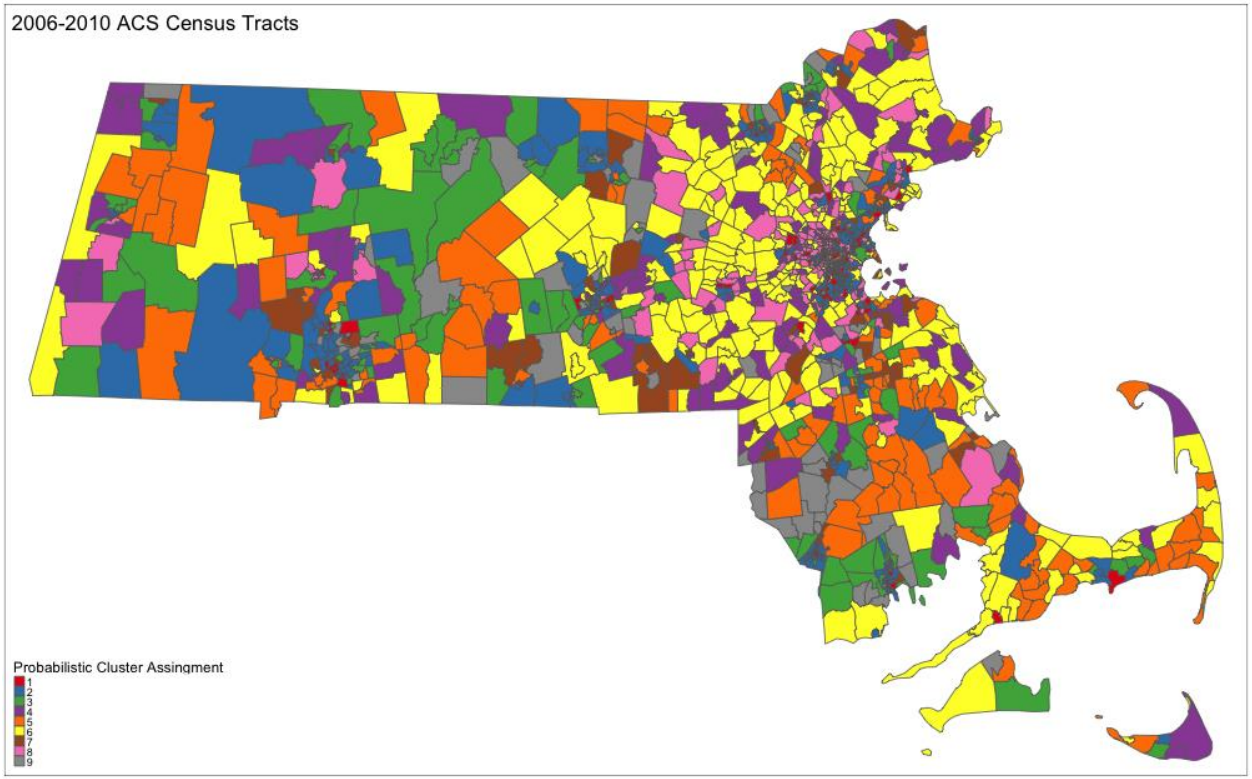
Figures for ACS 2006-2010

Distribution of assignment probabilities



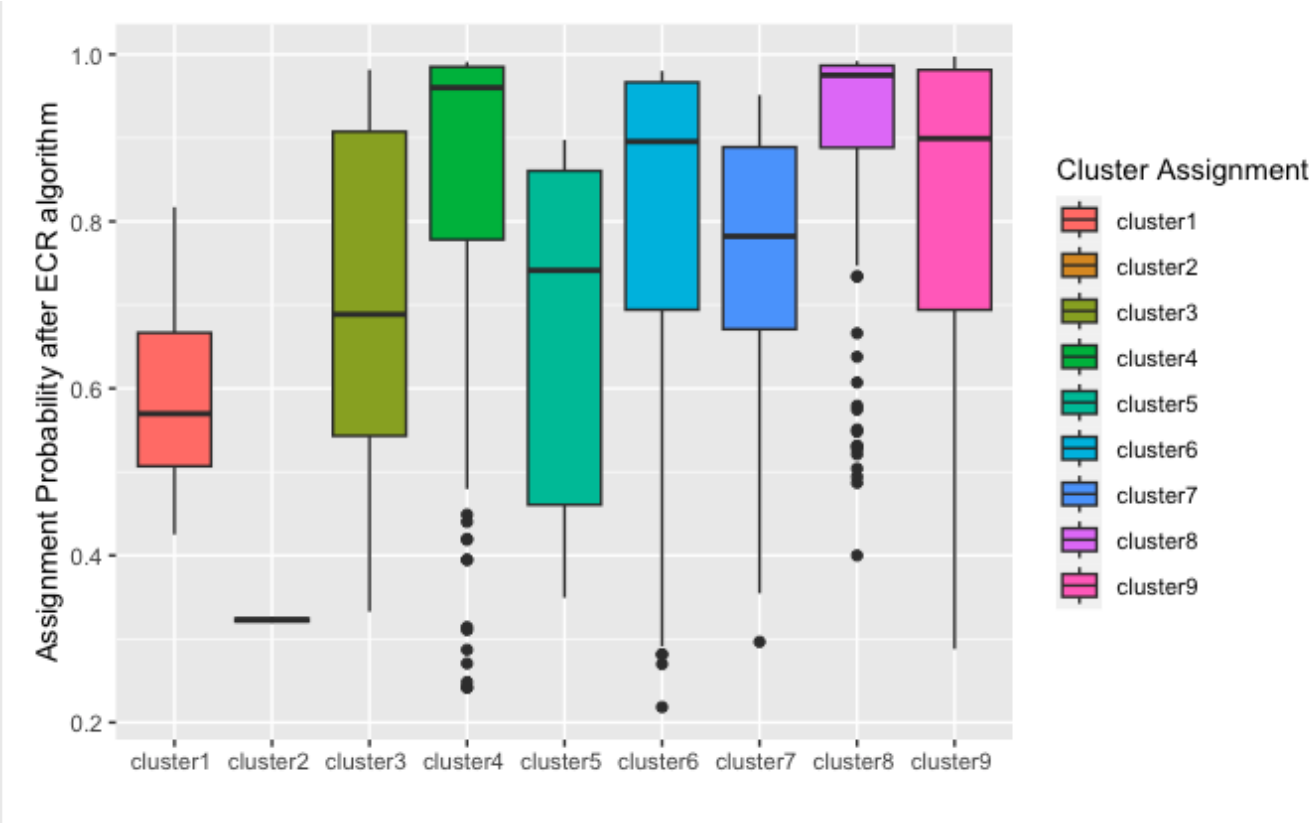

1
2
3
4
5
6
7
8
9
Probability
1.00
0.75
0.50
0.25
0.00
Two People Per Room
Lack of complete Plumbing
Female Household
No Vehicle
Owner
Renter
>= Bachelor's Degree
< High School
>= High School
Median Household Income
Below Poverty Line
SNAP Benefits
Unemployment
White Collar Occupation
Neighborhood SES variables
Household
Education
Income
Occupation

Map showing the cluster assignment across Massachusetts census tracts

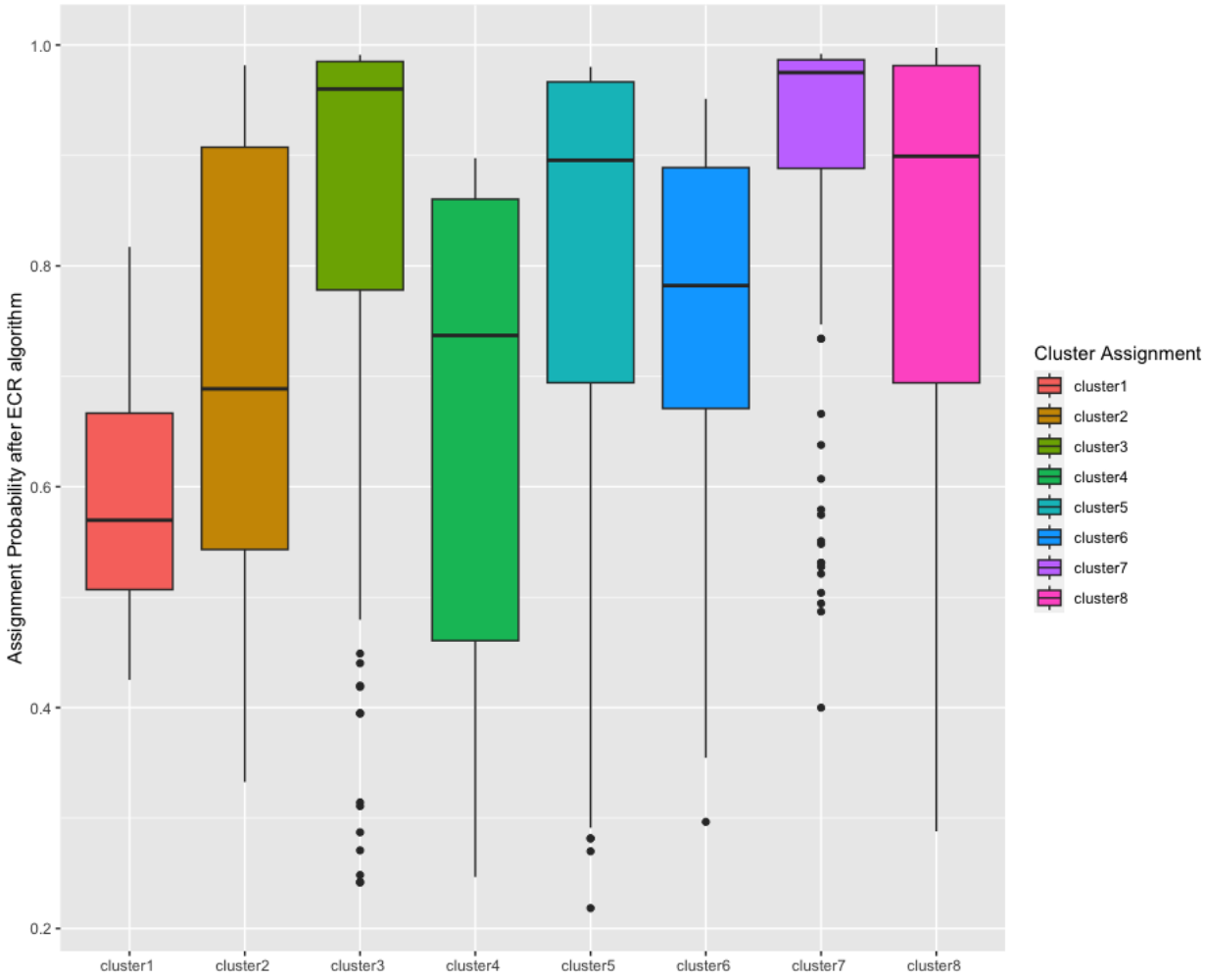


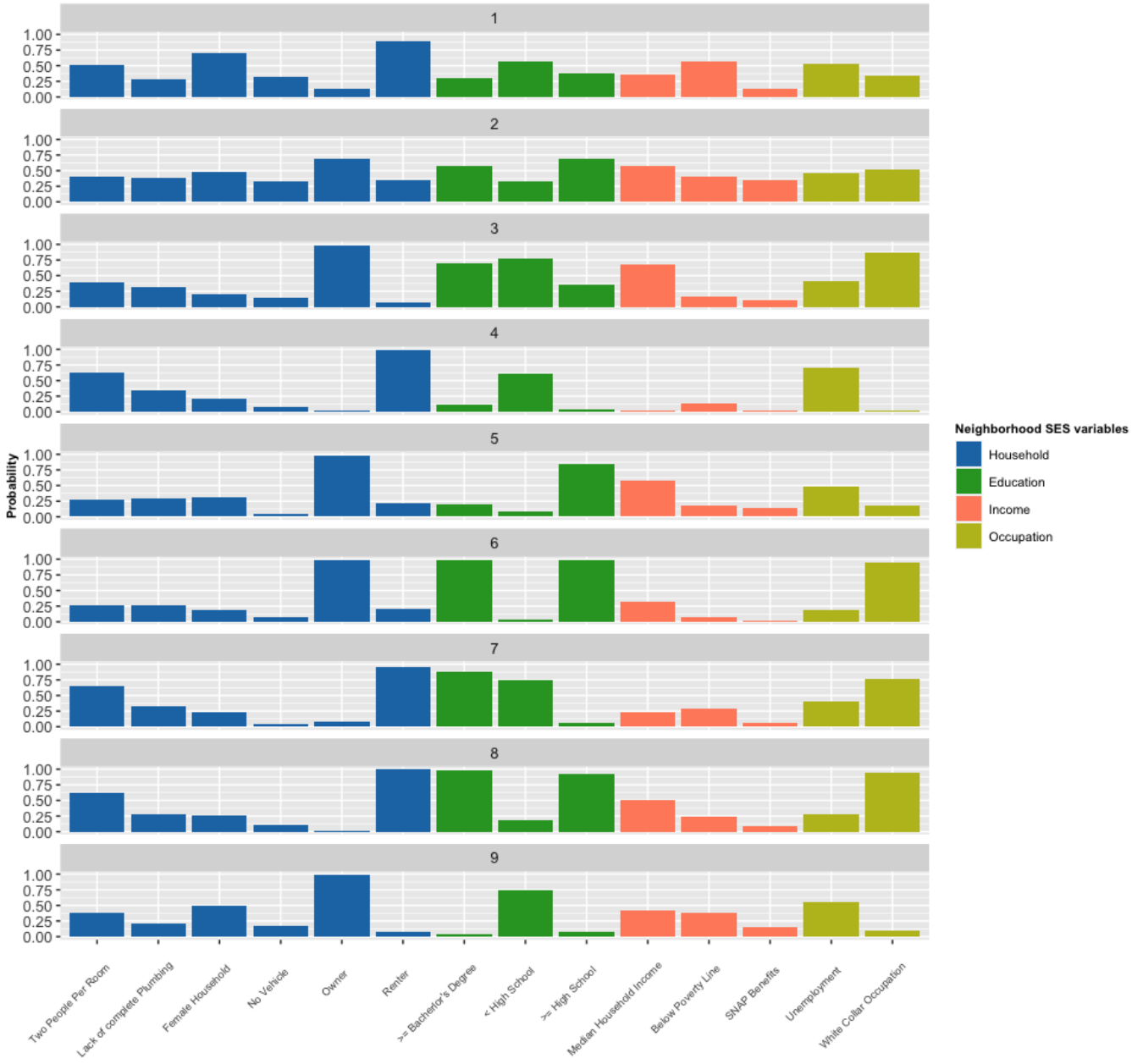
Figures for ACS 2011-2015

Distribution of assignment probabilities (original model output)



Distribution of assignment probabilities (re-labeled)




1
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0.50
0.25
0.00
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Household
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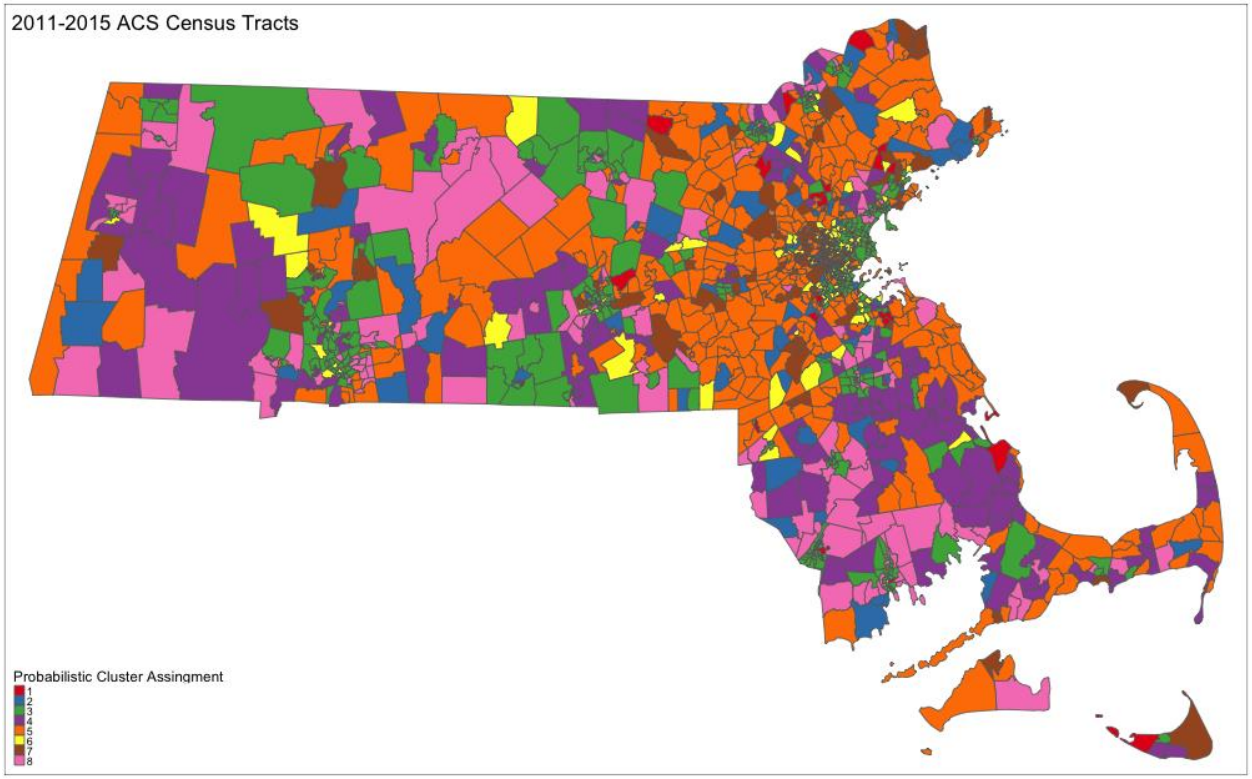
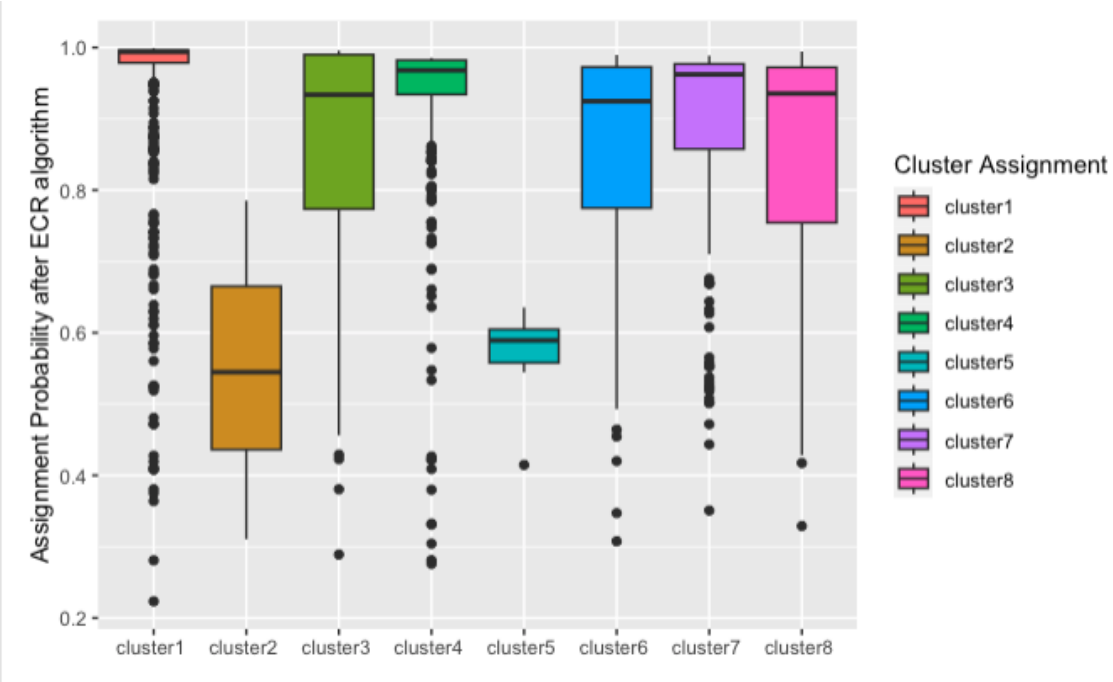
Occupation

Map showing the cluster assignment across Massachusetts census tracts

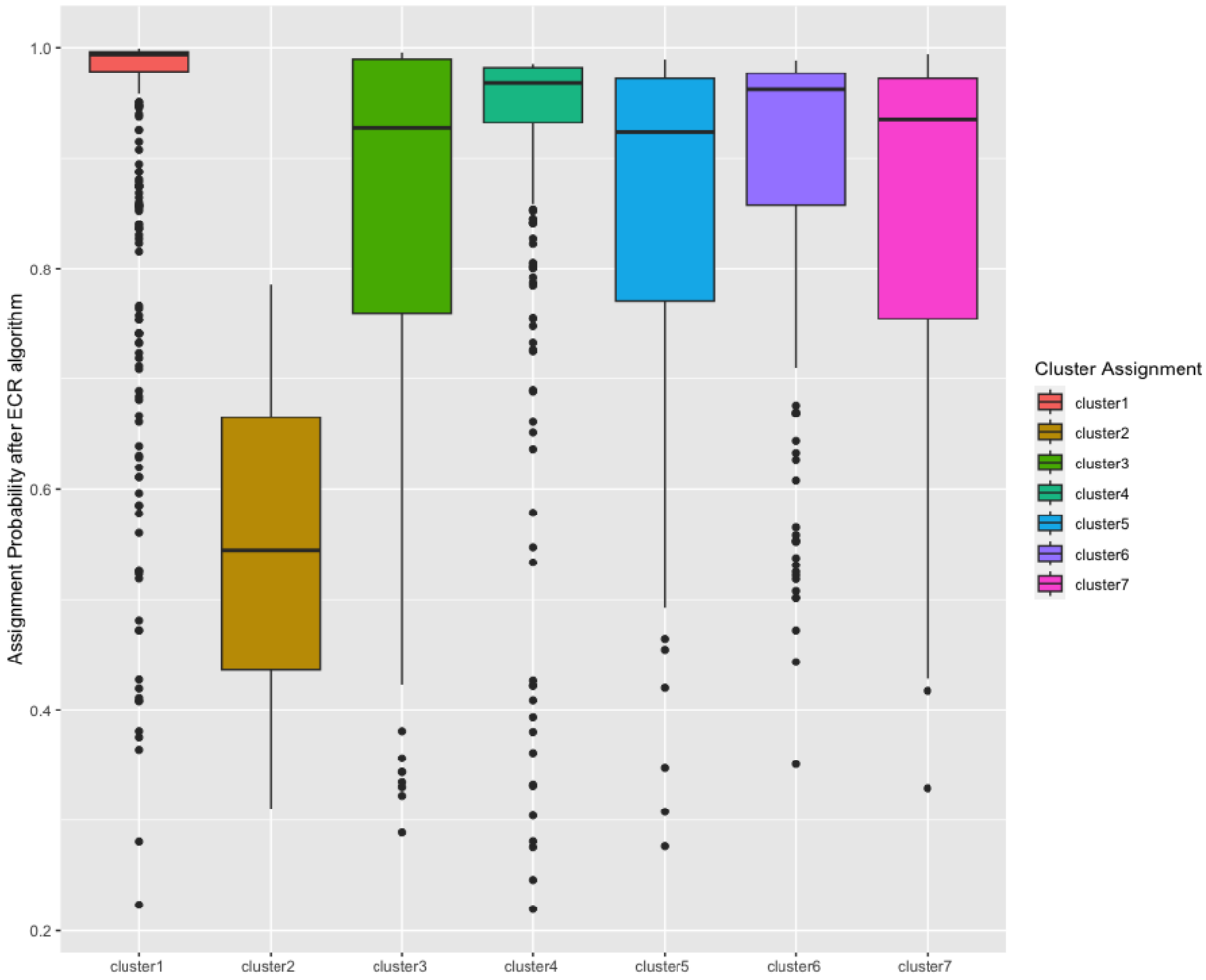


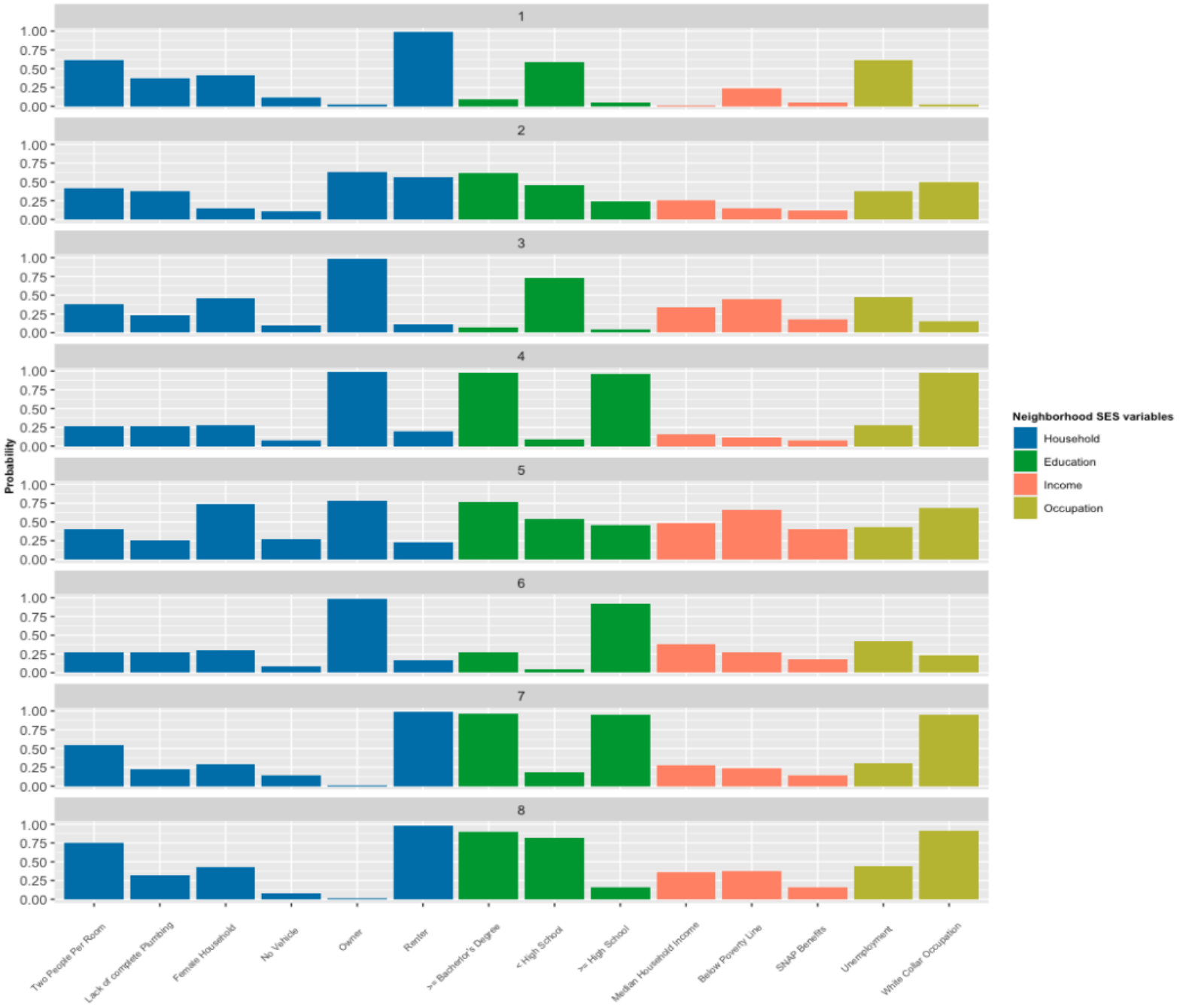
Figures for ACS 2015-2019

Distribution of assignment probabilities (original model output)



Distribution of assignment probabilities (re-labeled)


Assignment Probability after ECR algorithm
1.0
0.8
0.6
0.4
0.2
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7
Cluster Assignment
cluster1
cluster2
cluster3
cluster4
cluster5
cluster6
cluster7


1
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5
6
7
8
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0.75
0.50
0.25
0.00
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Lack of complete Plumbing
Female Household
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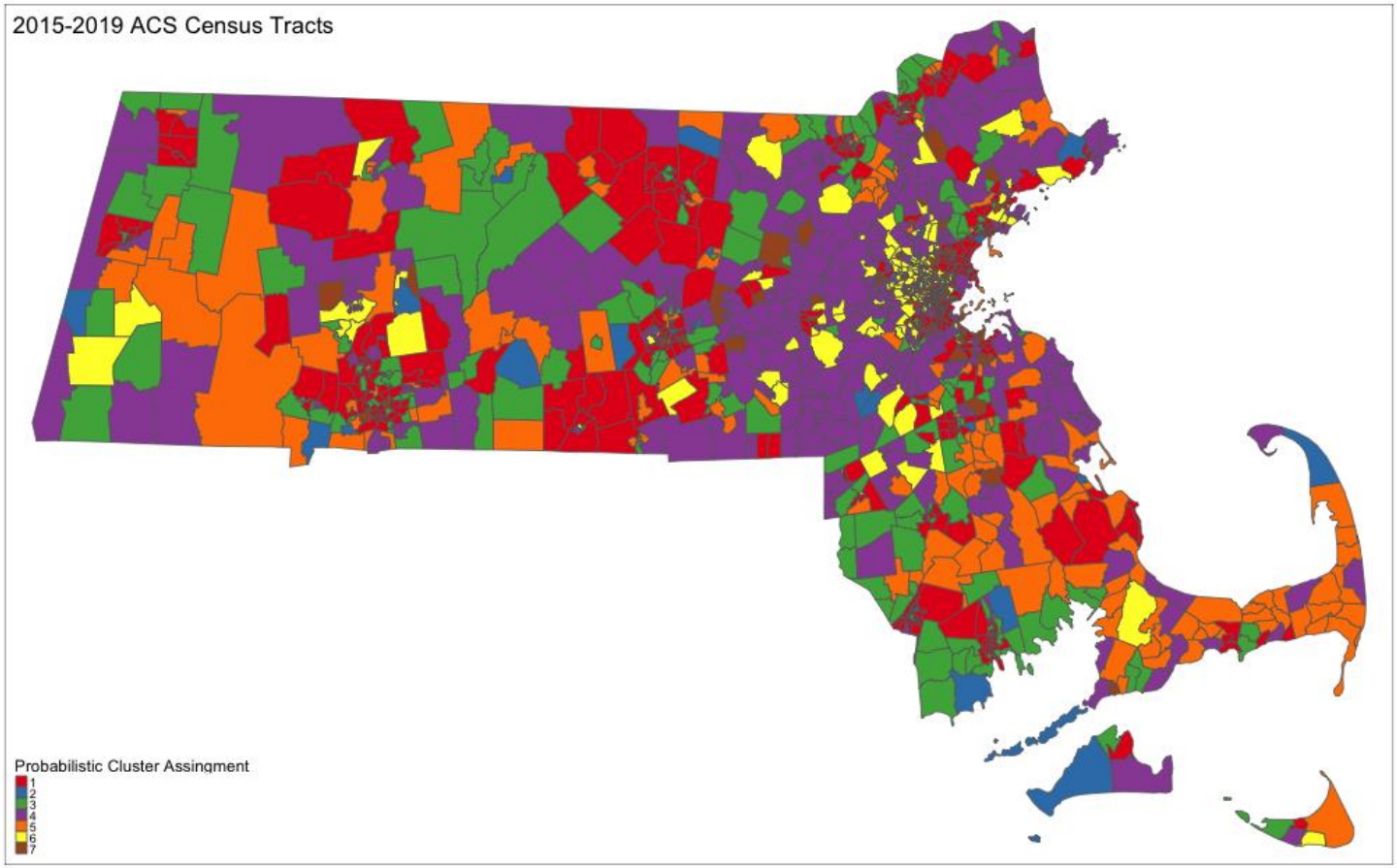
2015-2019 ACS Census Tracts
Probabilistic Cluster Assignment
1
2
3
4
5
6
7