

Questions to consider :

How much people is affected by food deserts in US ?

Answered once:

How much of US population live in low income low access census tracts. What is the change in 2010 and other years.

Percent of total State population in LILA 1 and 10 miles tracts in 2015

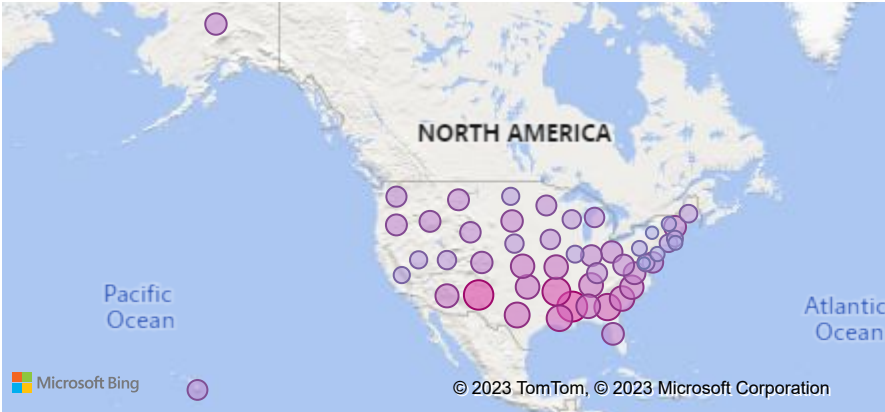
What state has highest count of LILA population? Mean greatest number of people living in lila.

States with highest shares of population In LILA census tracts.

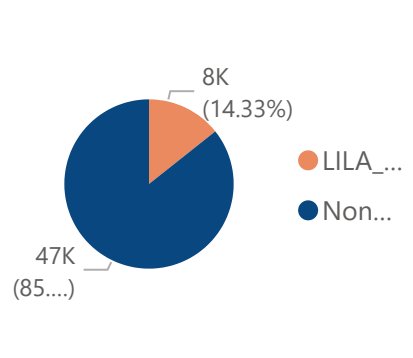
States with lowest shares of population In LILA census tracts.

How much people is affected by food deserts in US.

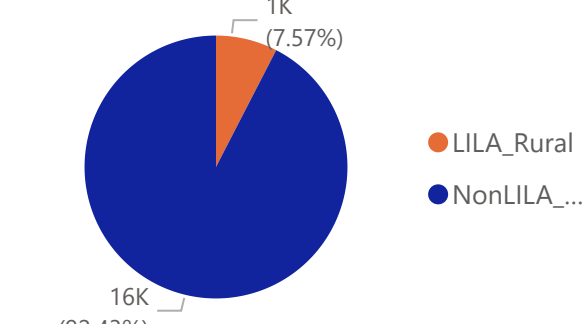
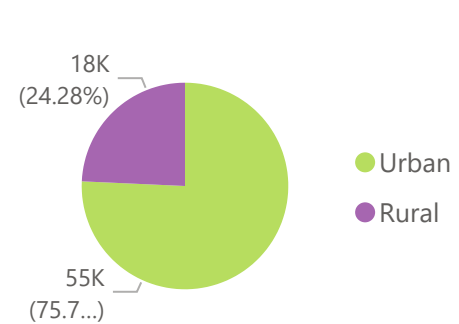
Share of Population in LILA tracts



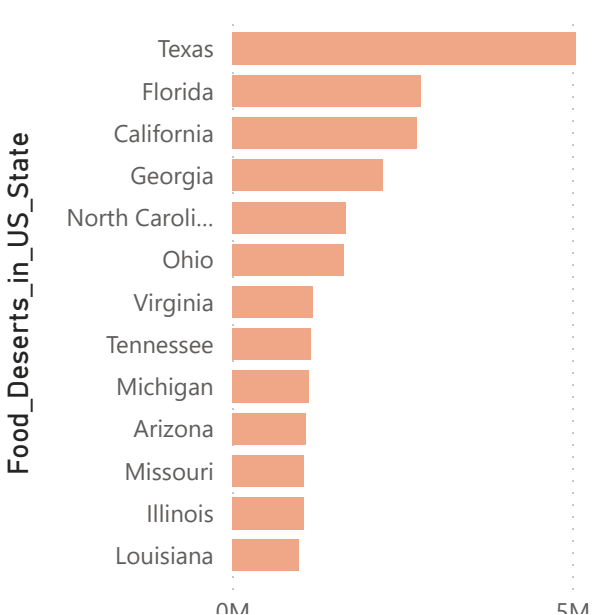
Total Food deserts in Urban



Percentage of tracts for Urban Food deserts in Rural and Rural from total tracts

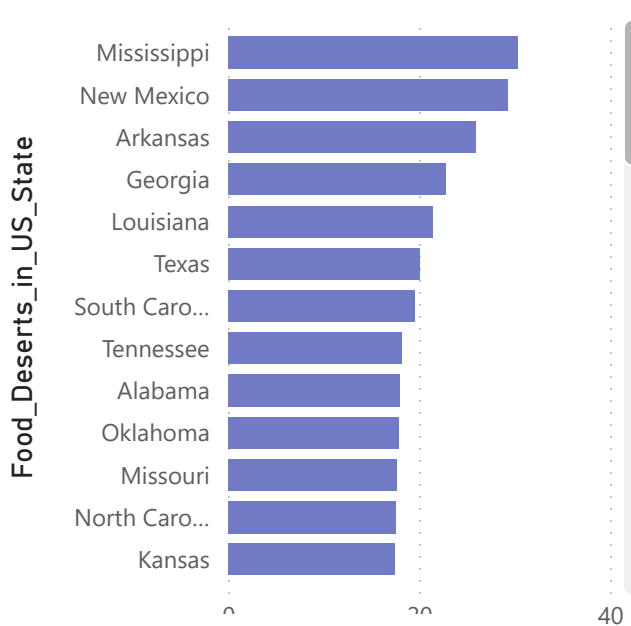


Count of state population in LILA census



Food\_Deserts\_in\_US\_State

Share of total State population in LILA



Food\_Deserts\_in\_US\_State

A\_share

• First pie chart : Food deserts and non food deserts in urban

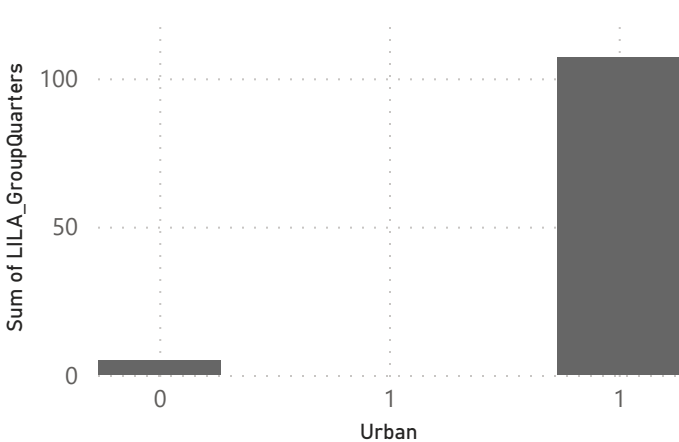
• (Qn 2.1) Second pie chart: Count of urban and rural tracts from total tracts.

Conclusion: Generally, Total urban tracts are more in count.

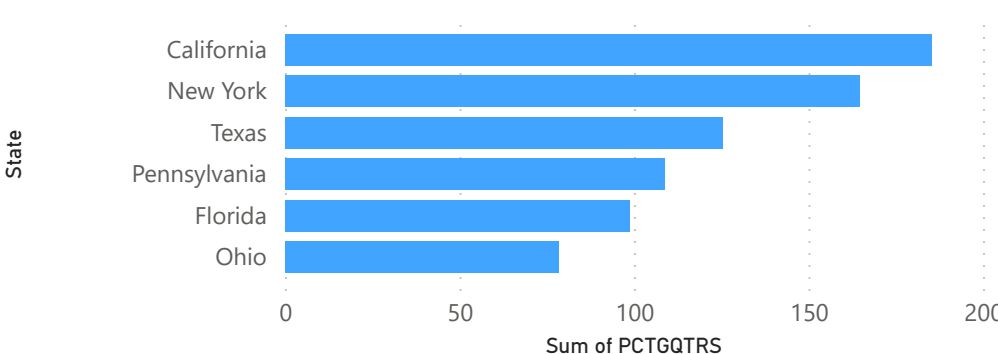
• Third pie chart: Food deserts and non food deserts in rural

Conclusion : (Qn 2.2) 14% Food desert in urban and 7.5% food desert in rural. Thus food desert is double in Urban.

Sum of LILA\_GroupQuarters by Urban



Sum of PCTGQTRS by State

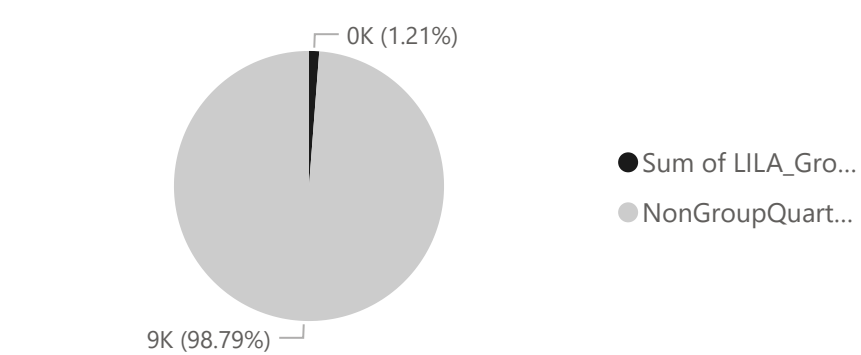


State

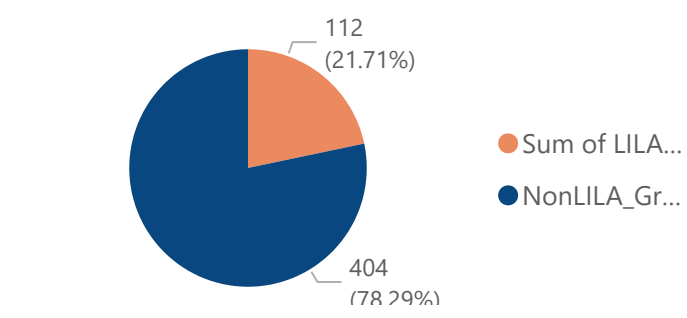
Conclusion of this page :

- (Qn 1) According to map, Food deserts are more in east of US.
- Texas have greatest number of people living in LILA census tracts.
- Mississippi and Mexico had highest shares of population in LILA census.
- DC, NewYork are the least shares of LILA population
- (Qn 3.1) California and Texas have highest group quarters and group quarters are more in urban

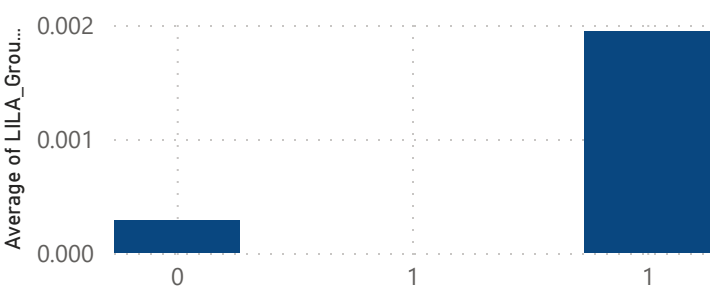
Sum of LILA\_GroupQuarters and NonGroupQuarters\_LILA



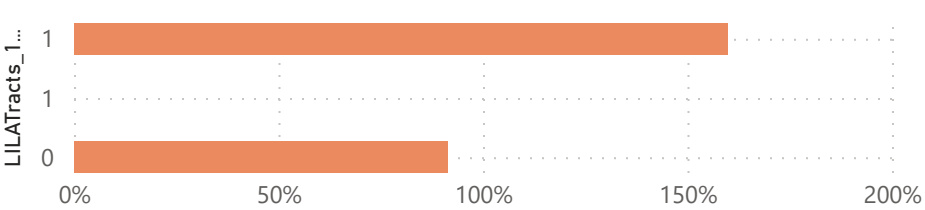
Sum of LILA\_GroupQuarters and NonLILA\_GroupQuarters



Average of LILA\_GroupQuarters by Urban



%GT Average of PovertyRate by LILATracts\_1And10



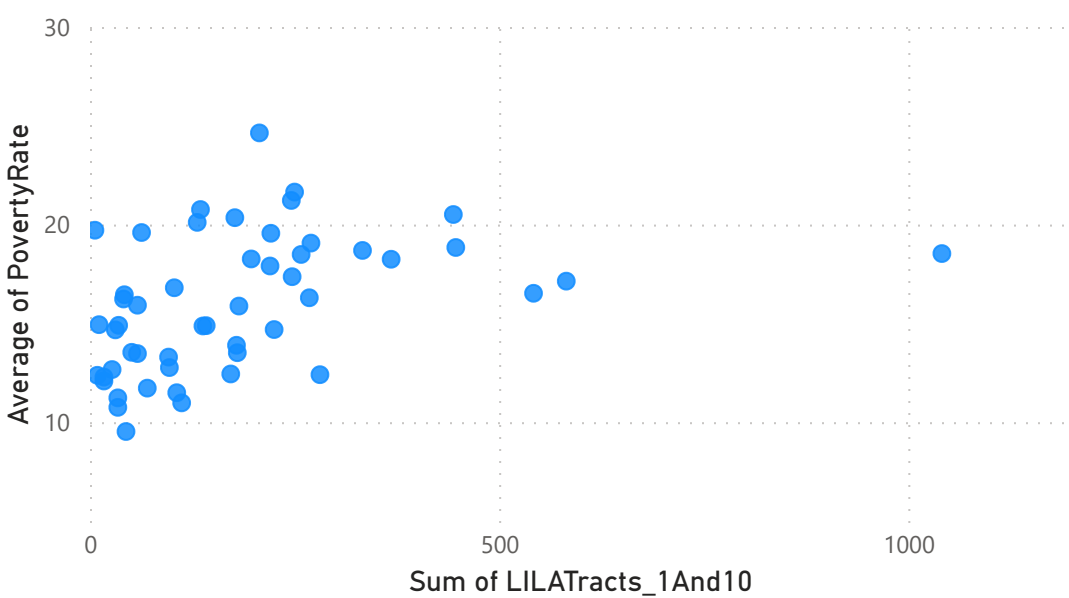
- Left Pie chart - Food deserts with and without Group quarters
- Above Pie chart - Group quarters with and without food deserts.

Conclusion : Group quarters are more in urban acc to above bar chart.  
Poverty rate is more in Food deserted region acc to left bar chart.

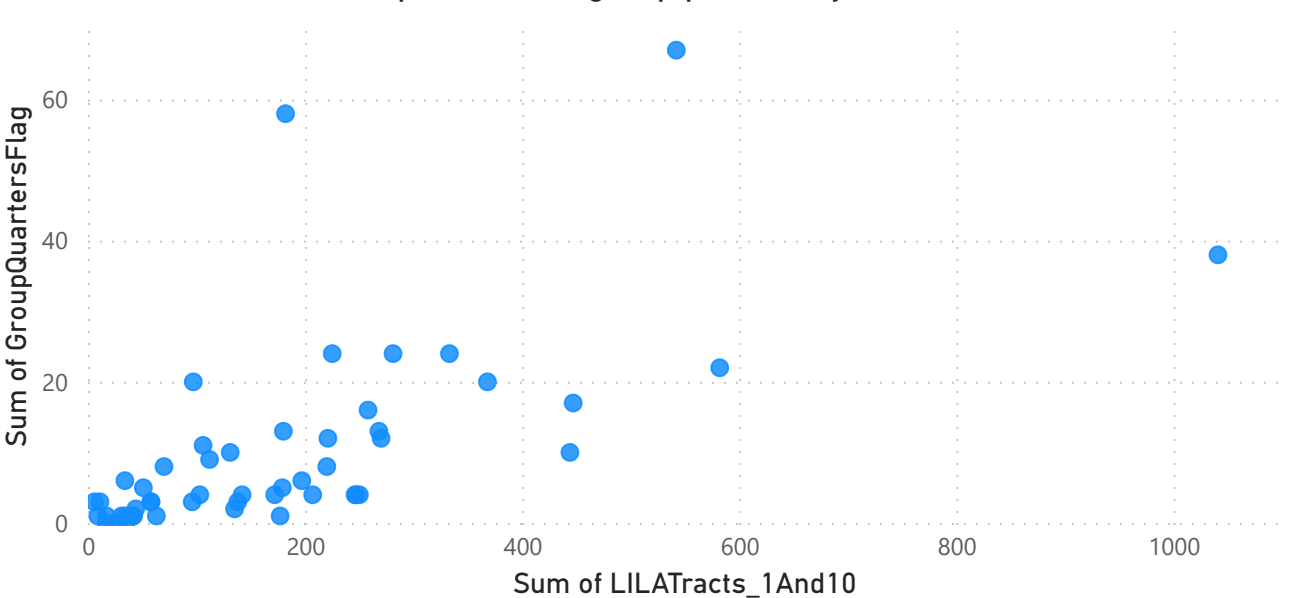
Need to figure out correlation between poverty rate and food deserts . and group quarters and food deserts.

Conclusion : below first scattering chart is answer for question 4 first part.

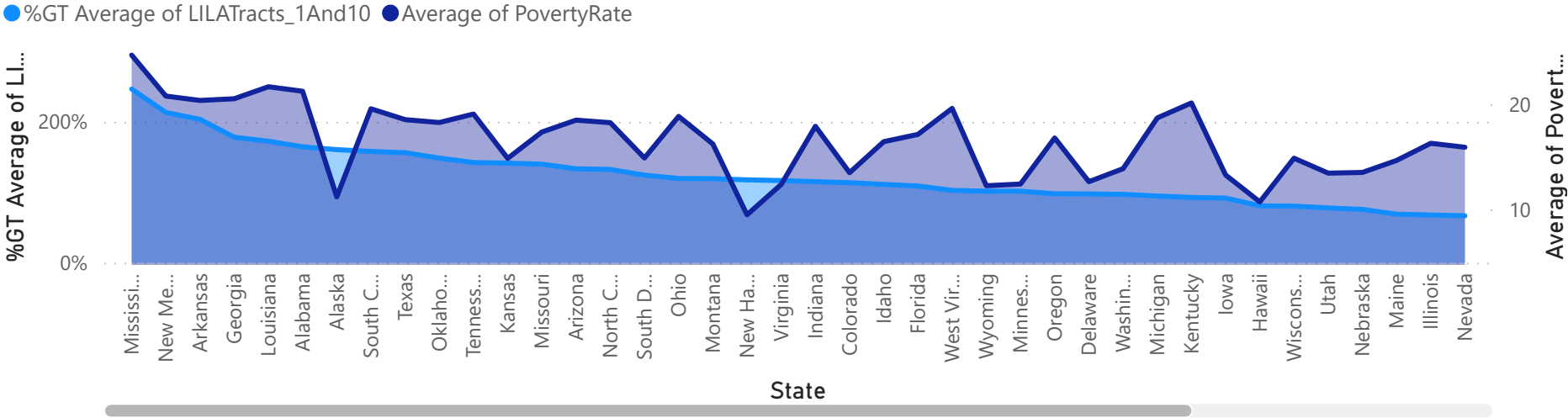
Sum of LILATracts\_1And10 and Average of PovertyRate by State



Correlation between food quarters and groupquarters by state



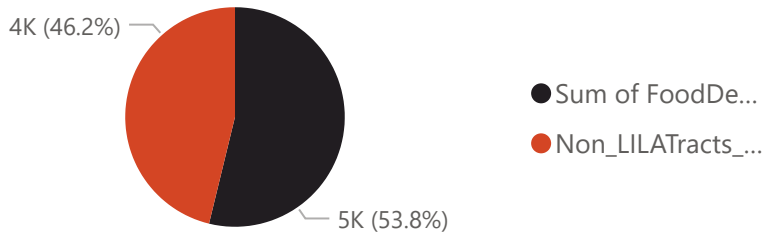
%GT Average of LILATracts\_1And10 and Average of PovertyRate by State



Conclusion of this page:

- In Food deserts people have less vehicle access.

Sum of FoodDesert\_NonvehicleAccess and Non\_LILATracts\_Vehicle

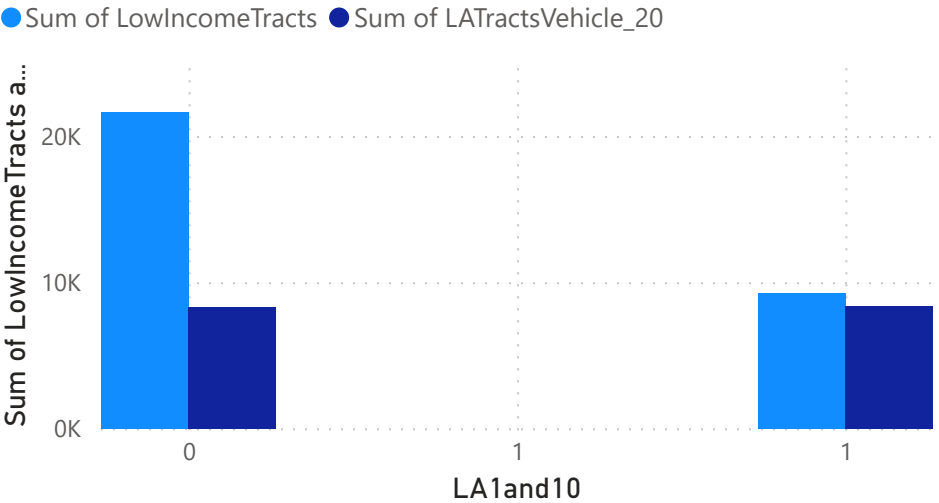


Question 5.1:  
53.8% of Food desert tracts without vehicle access.

46.2% of Food desert tracts with vehicle access.

Therefore, without vehicle also plays major factor.

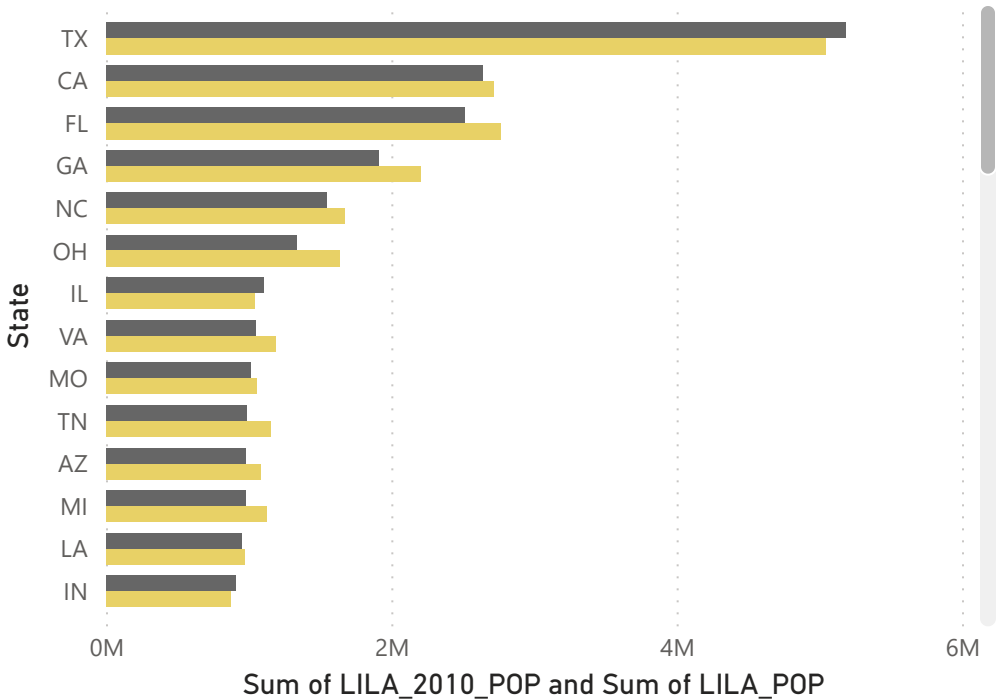
Sum of LowIncomeTracts and Sum of LATractsVehicle\_20 by LA1and10



- It is important to note that not all people who are low-access are low-income or without a vehicle.
- Many of these people likely own cars or have the means to afford alternatives, such as grocery delivery, to overcome distance barriers, at least in areas where such services are offered.

Sum of LILA\_2010\_POP and Sum of LILA\_POP by State

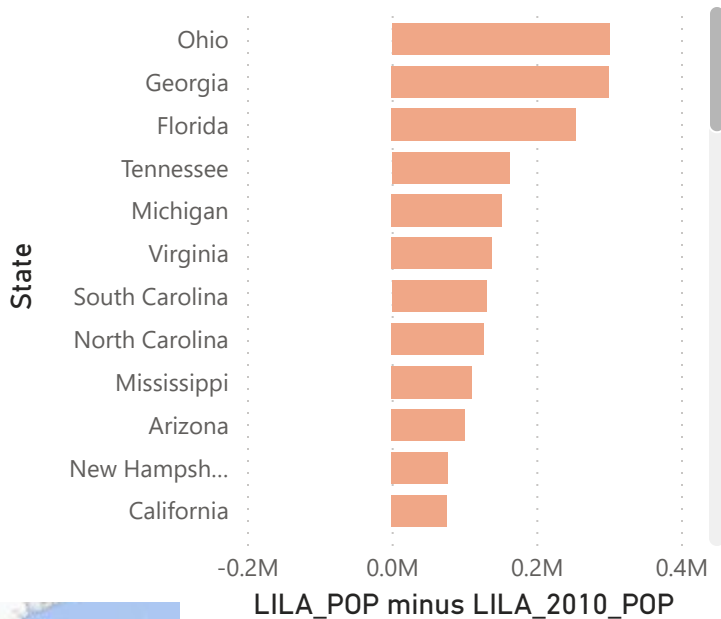
● Sum of LILA\_2010\_POP ● Sum of LILA\_POP



38M

Sum of LILA\_2010\_POP

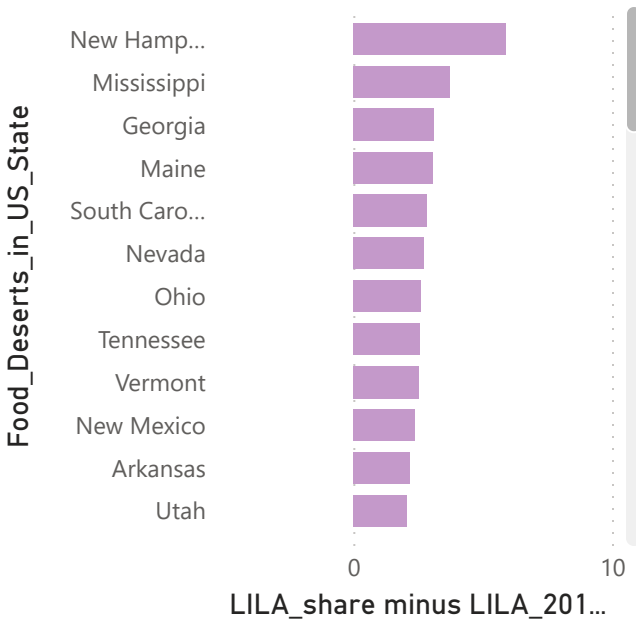
Population change in LILA tracts from 2010 to 2015



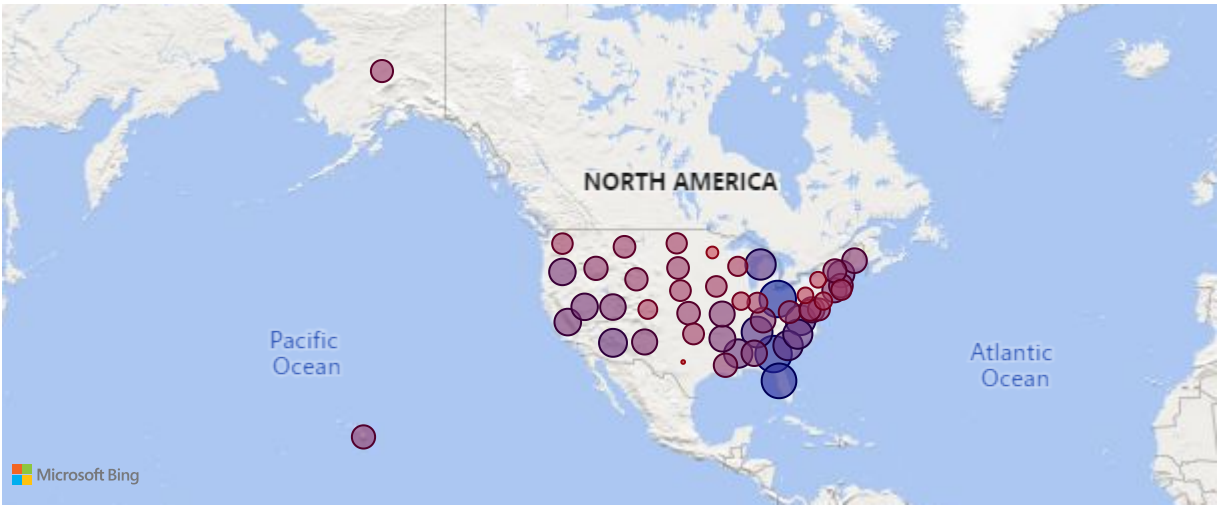
39M

Sum of LILA\_POP

Percentage point change in LILA tracts from 2010 to 2015



LILA\_POP minus LILA\_2010\_POP by State

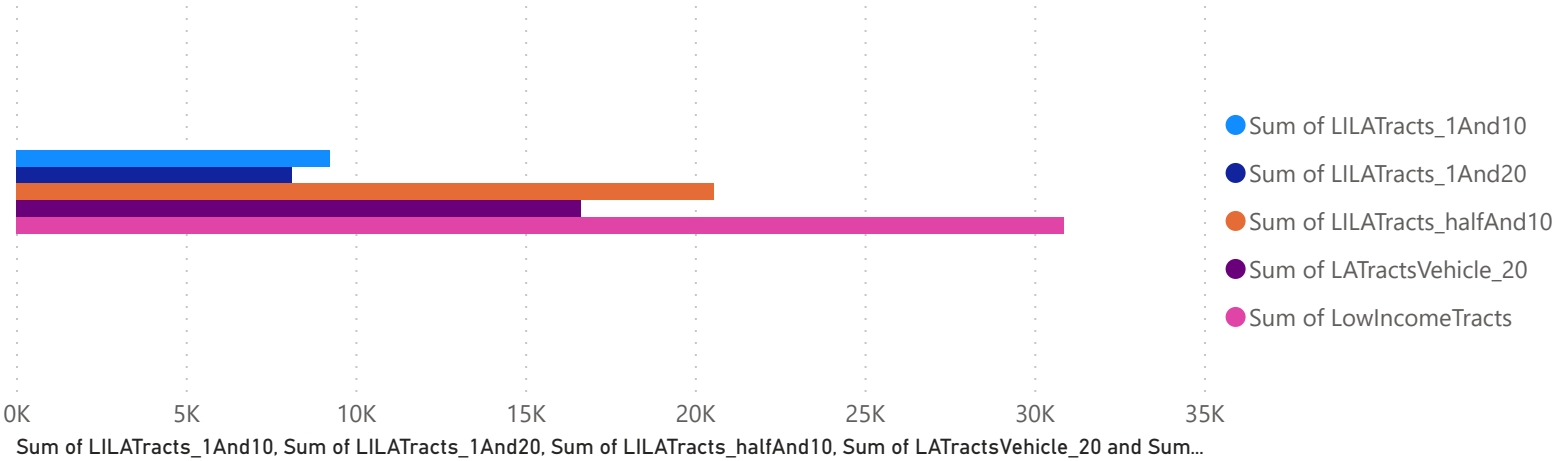


Time Bound Conclusion :

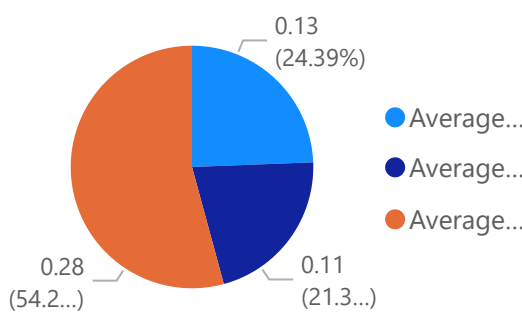
- There is 1M population increase from 2010 to 2015.
- above bar charts, population change and share change in 2010 and 2015.
- East side states have major change in 2010 to 2015.

Other General Comparisons :

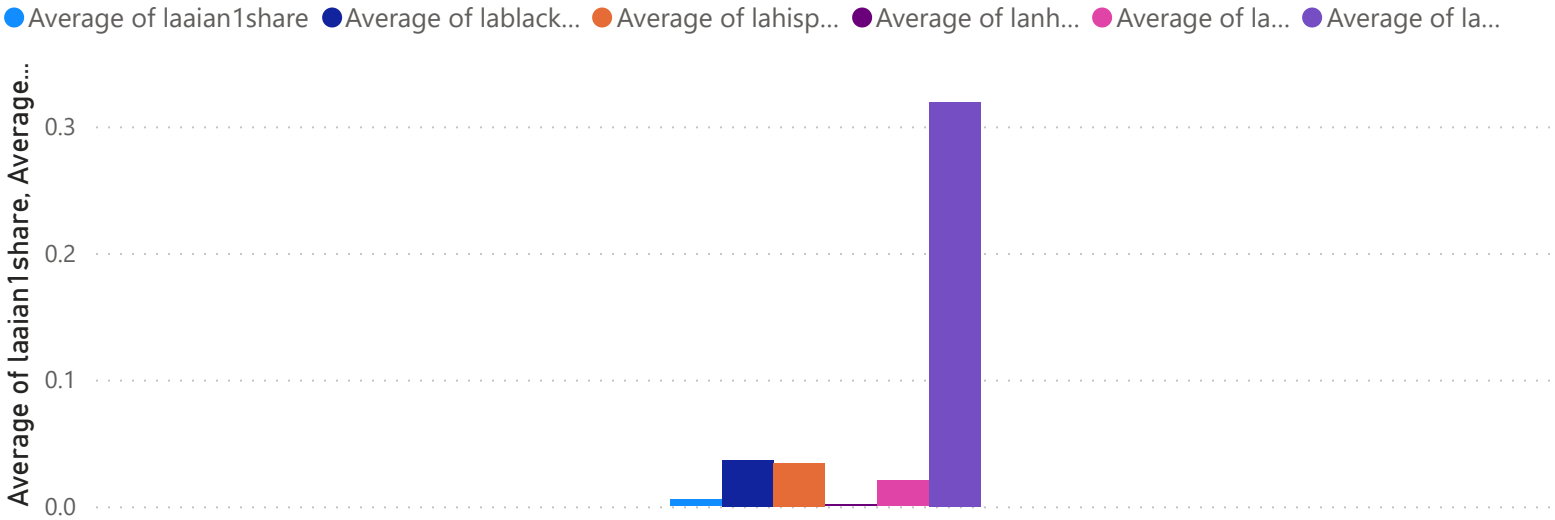
Sum of LILATracts\_1And10, Sum of LILATracts\_1And20, Sum of LILATracts\_halfAnd10, Sum of LATractsVehicle\_20 and Sum of LowIncomeTracts



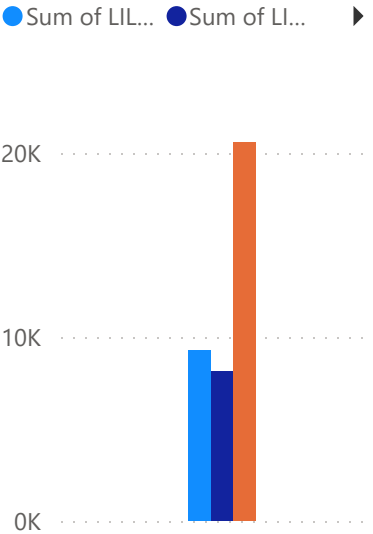
Average of LILATracts\_1And10, Average of LILATracts\_1And20 and Average of LILATracts\_halfAnd10



Average of laaian1share, Average of lablack1share, Average of lahisp1share, Average of lanhopi1share, Average of laomultir1share and Average of lawwhite1share

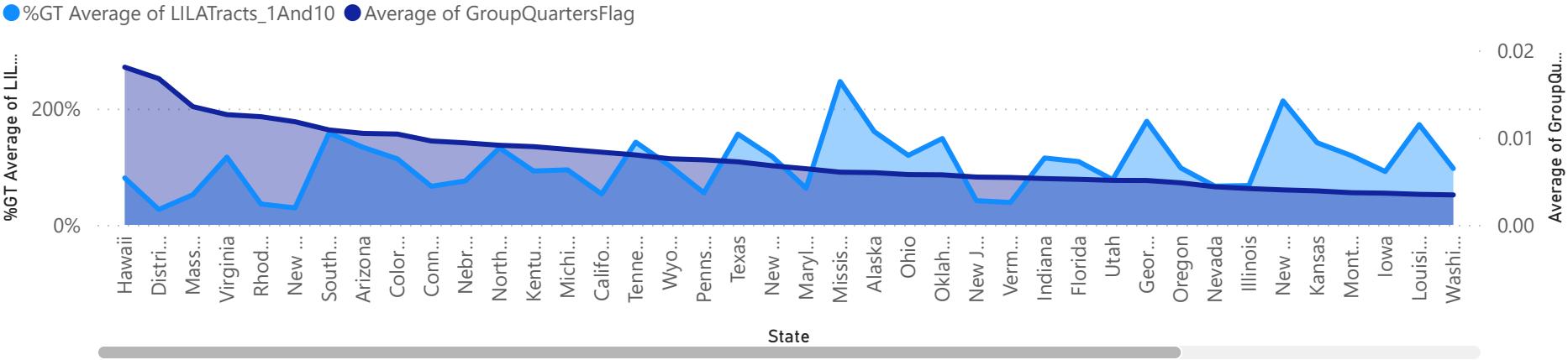


Sum of LILATracts\_1And10, Sum of LILATracts\_1And20 a...



LILA\_Urban\_col - tracts where LILA (Food deserted) of Urban.  
LILA\_Urban - count of LILA\_Urban\_col  
LILA\_Rural - count of LILA rural  
Count\_LILA - Total number of LILA tracts  
LILA\_GroupQuarters - Food deserts in group quarters  
PCTGQTRS\_LILA = Percentage of group quarters in tract with group quarters flag and LILA flag

%GT Average of LILATracts\_1And10 and Average of GroupQuartersFlag by State



Average of LILATracts\_1And10 by State

