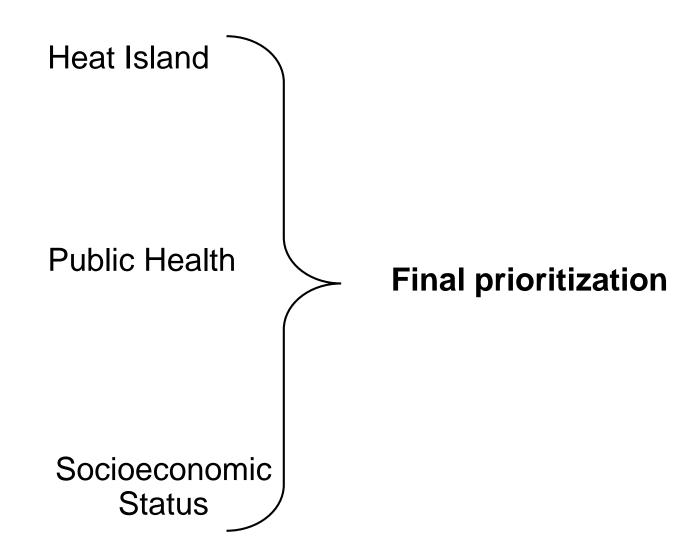
Los Angeles County Urban Tree Canopy (UTC) Prioritization

April 12, 2019

Prioritization approach

- 1. Trees provide benefits
- 2. Seek to plant trees where the benefits of trees are lacking
 - Using available data
- 3. TreePeople decided to focus on
 - Heat Island mitigation
 - Public health
 - Socioeconomic status
 - Unit of analysis = CalEnviroScreen 3.0 boundaries (US Census Tract)

Prioritization approach



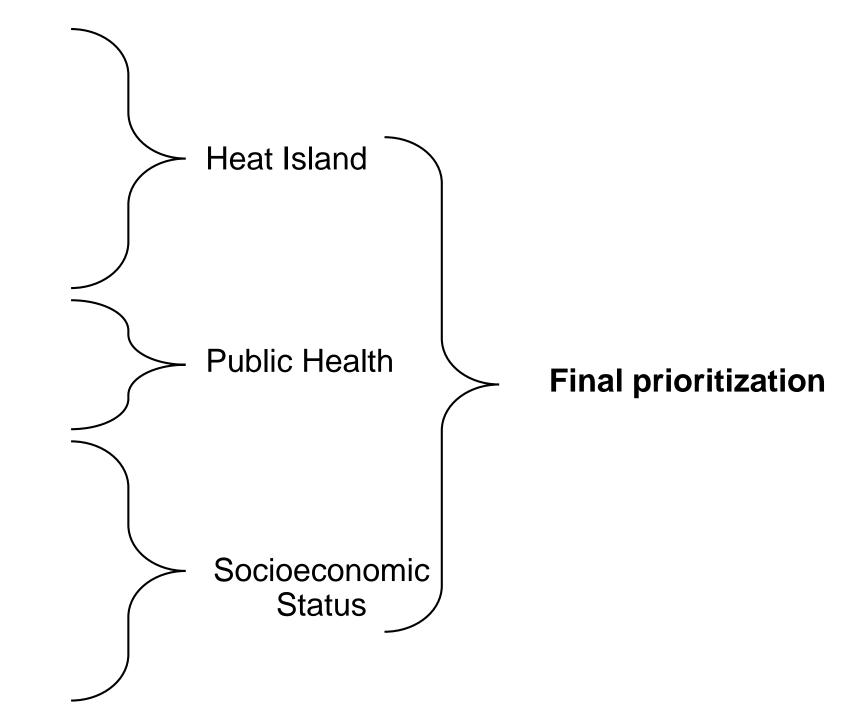
I. Maximum Surface Temperature

II. Mean Surface Temperature

III. Dependency Ratio (2X)

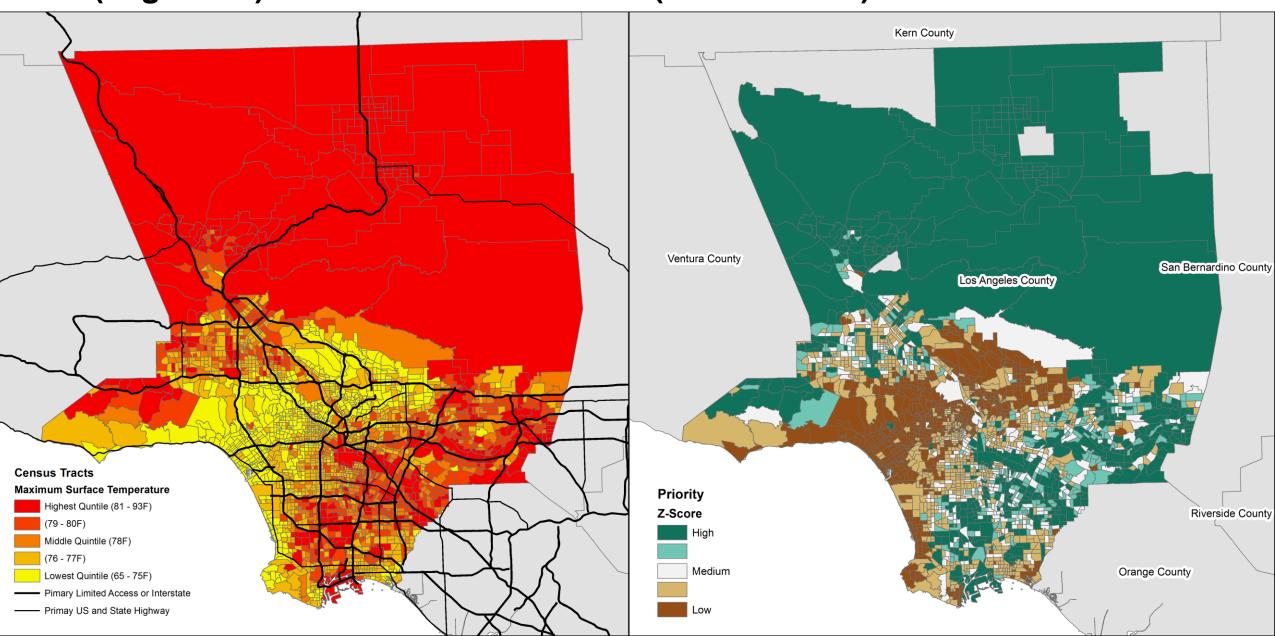
IV. Non-White Population

V. Median Household Income (-1)



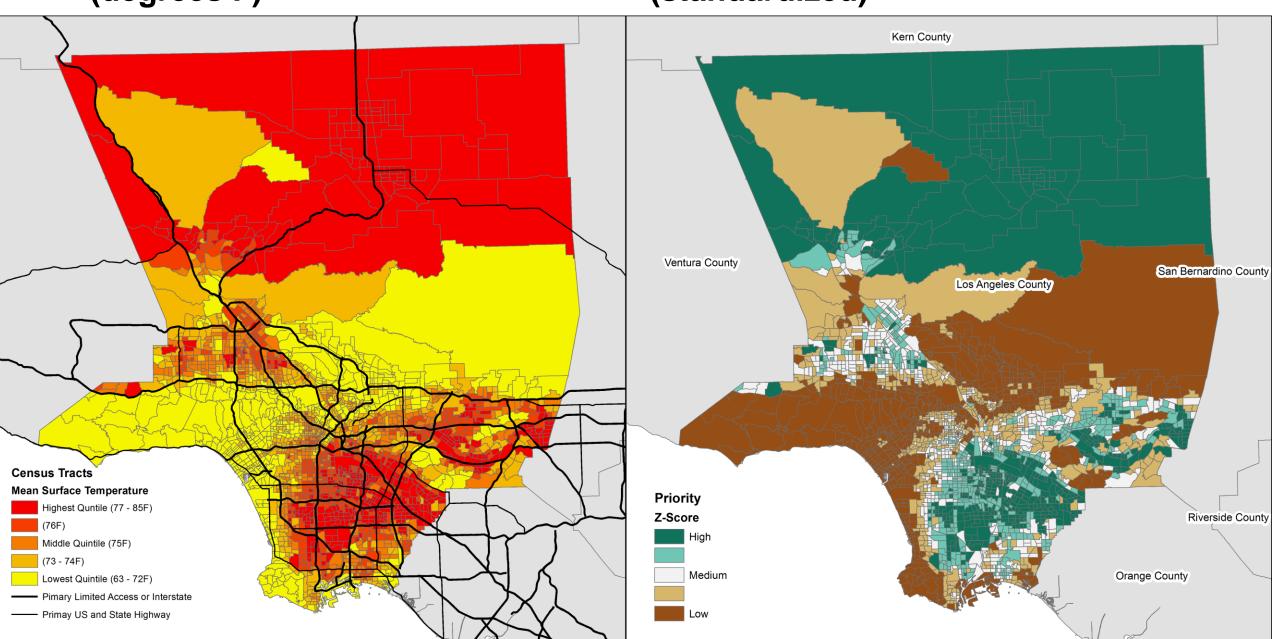
I. Maximum Surface Temperature (degrees F)

Maximum Surface Temperature (standardized)



II. Mean Surface Temperature(degrees F)

Mean Surface Temperature (standardized)



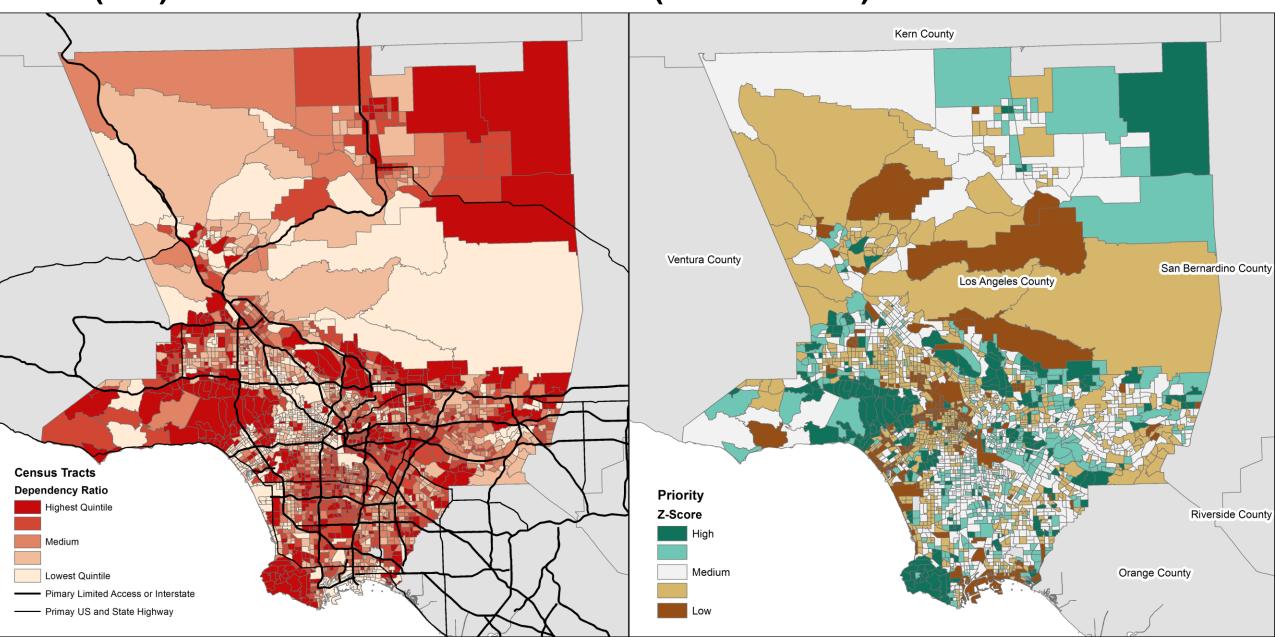
Dependency Ratio (DR)

$$DR = \frac{(people \ aged \ 0 \ to \ 15) + (people \ aged \ 65 \ and \ older)}{people \ aged \ 16 \ to \ 64} \times 100$$

Used in public health to assess vulnerability

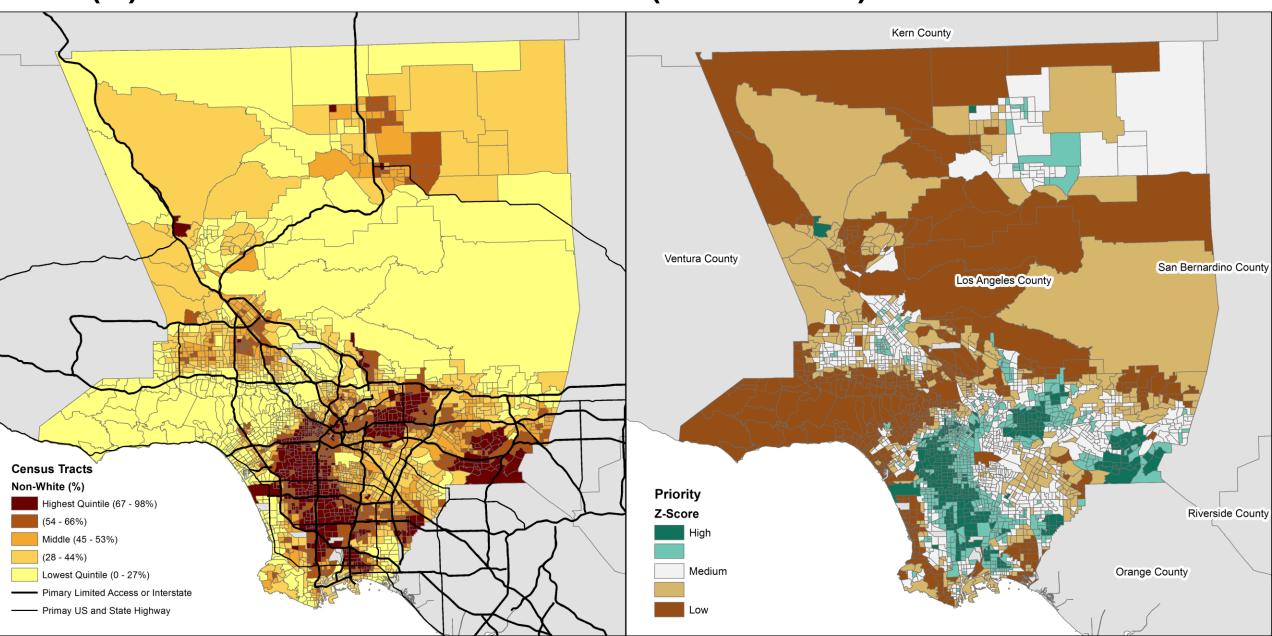
III. Dependency Ratio (raw)

Dependency Ratio (standardized)



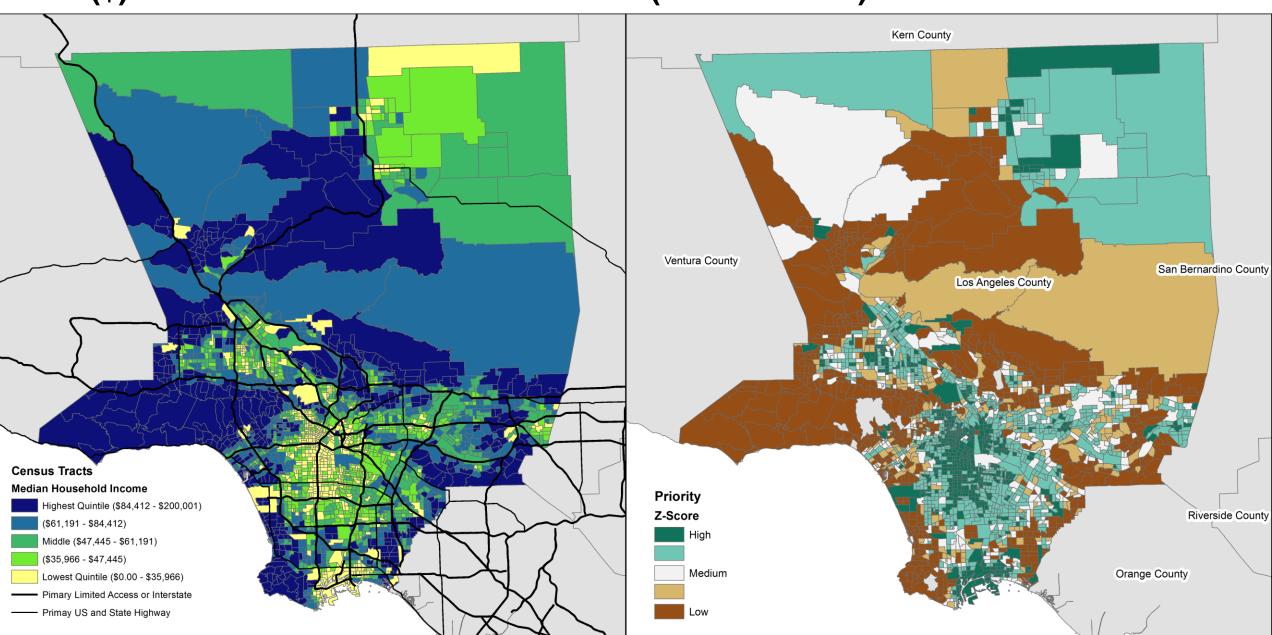
IV. Non-White Population(%)

Non-White Population (standardized)



V. Median Household Income (\$)

Median Household Income (standardized)



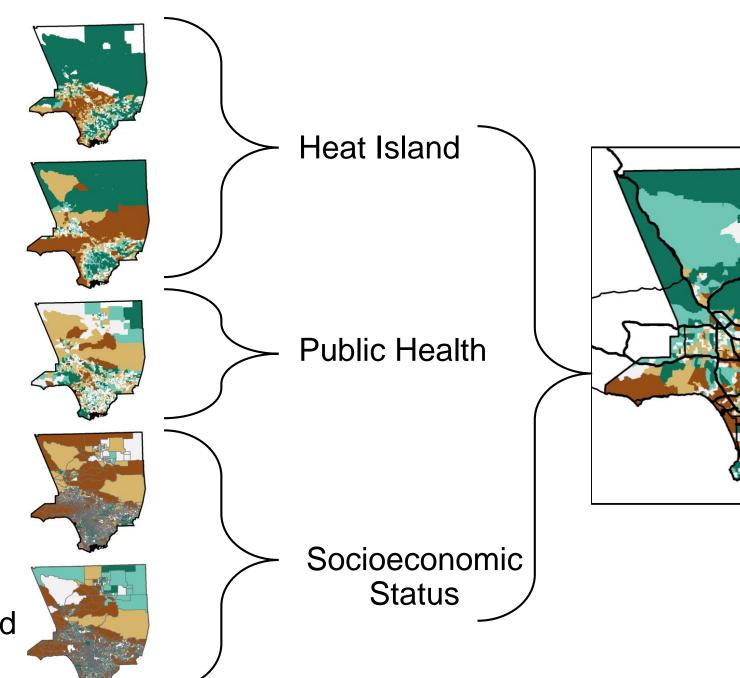
I. Maximum Surface Temperature

II. Mean Surface Temperature

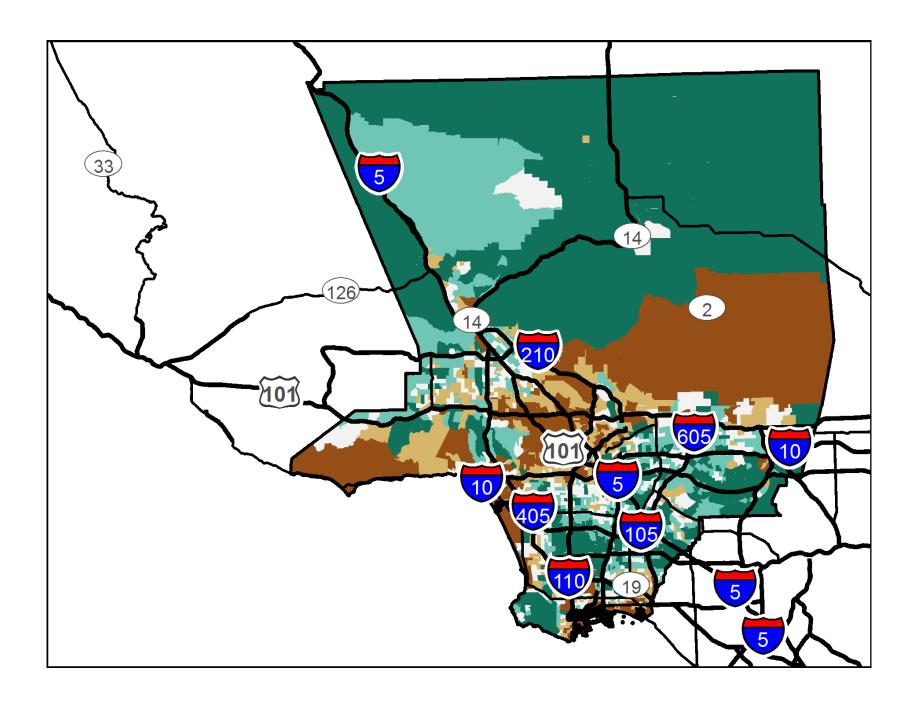
III. Dependency Ratio (2X)

IV. Non-White Population

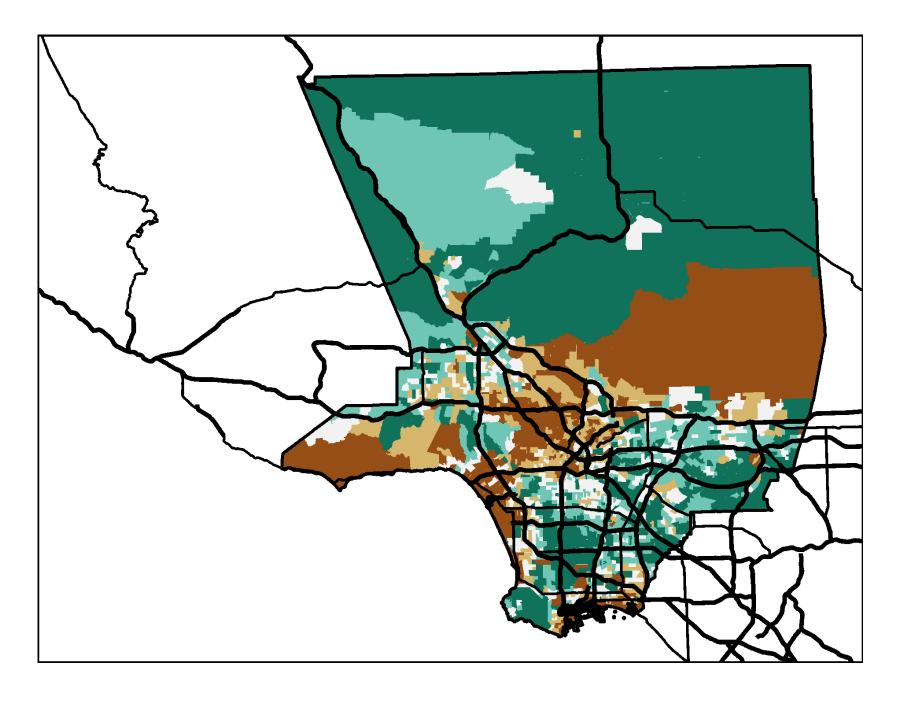
V. Median Household Income (-1)

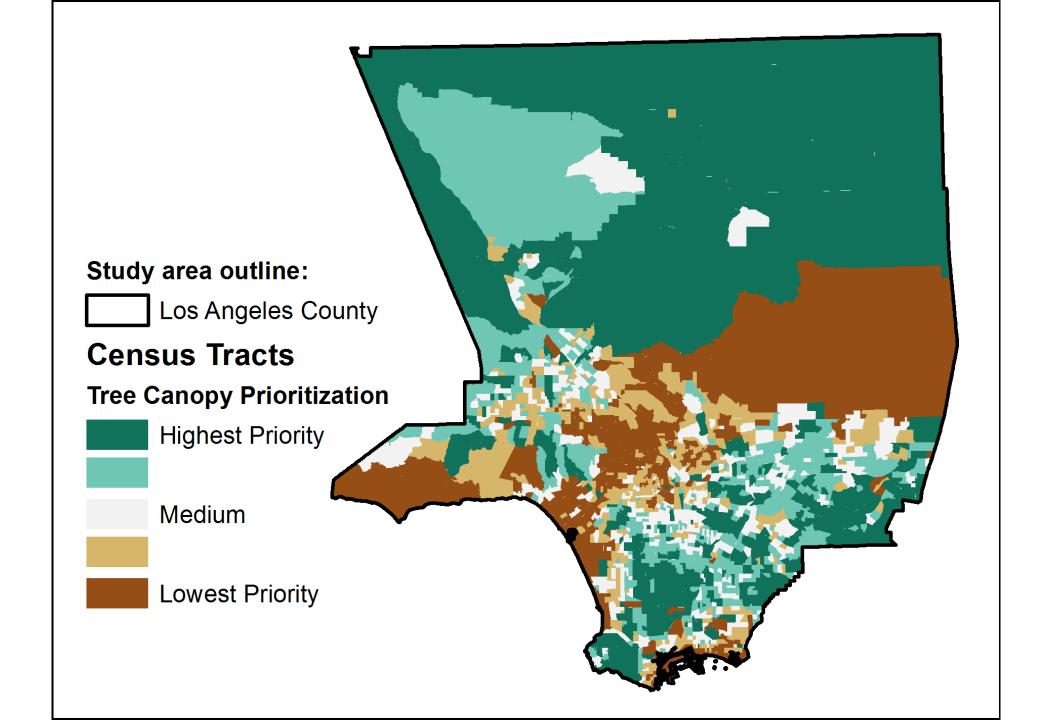


Study area outline: Los Angeles County **Census Tracts Tree Canopy Prioritization Highest Priority** Medium **Lowest Priority**

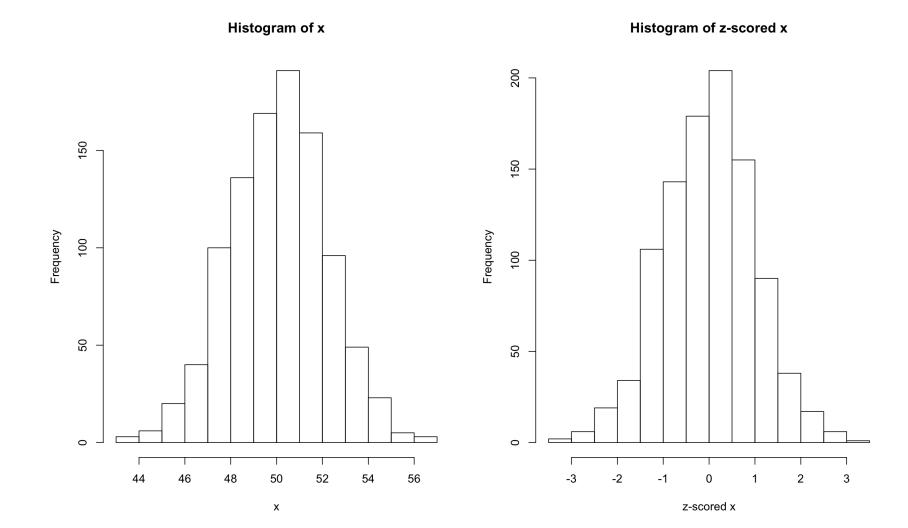


Study area outline: Los Angeles County **Census Tracts Tree Canopy Prioritization Highest Priority** Medium **Lowest Priority**





Z-scores explained Z = (x - mean(x)) / stdev(x)



CalEnviroScreen 3.0

