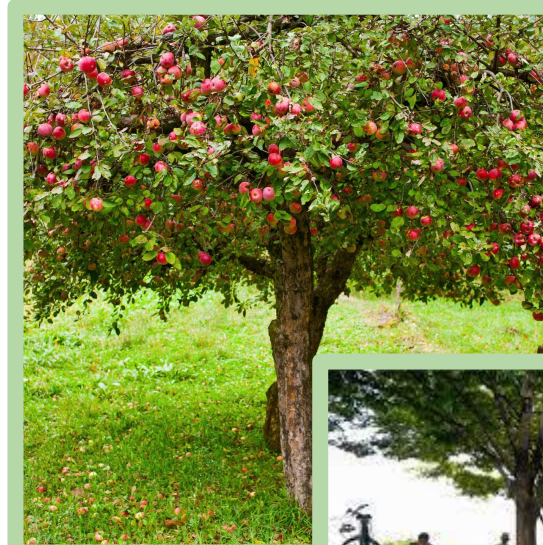


Benefits of Urban Trees

How do trees benefit us specifically?

What benefits do you think that trees in your own neighborhoods give to you and your community?

Think of at least 3 products and/or services we gain from trees.

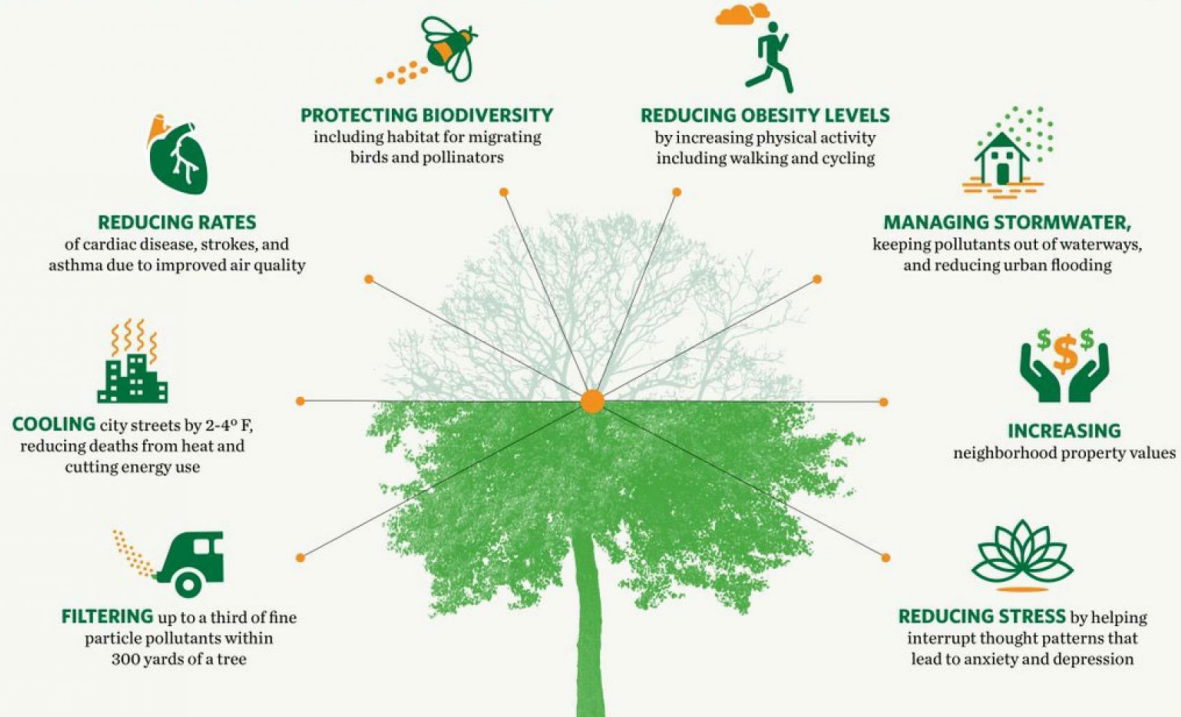


What about trees in the city?

Benefits of Urban Trees

Research has linked the presence of urban trees to...

The Nature Conservancy 



1. Urban Heat Island Effect



Urban Heat Island Effect

Higher Temperatures

heat from buildings and
air conditioners



heat from cars



heat from roads

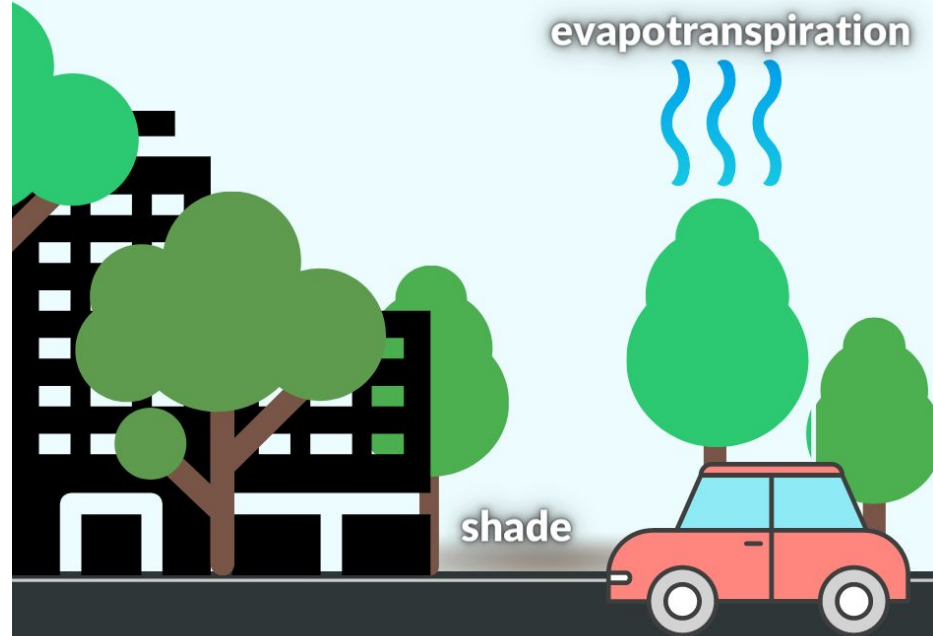


Lower Temperatures

evapotranspiration



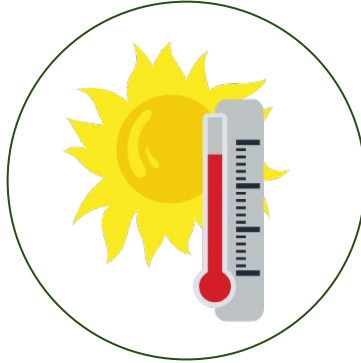
shade



Trees help prevent heat-related health issues!



Reduced ambulance
calls during extreme
heat events

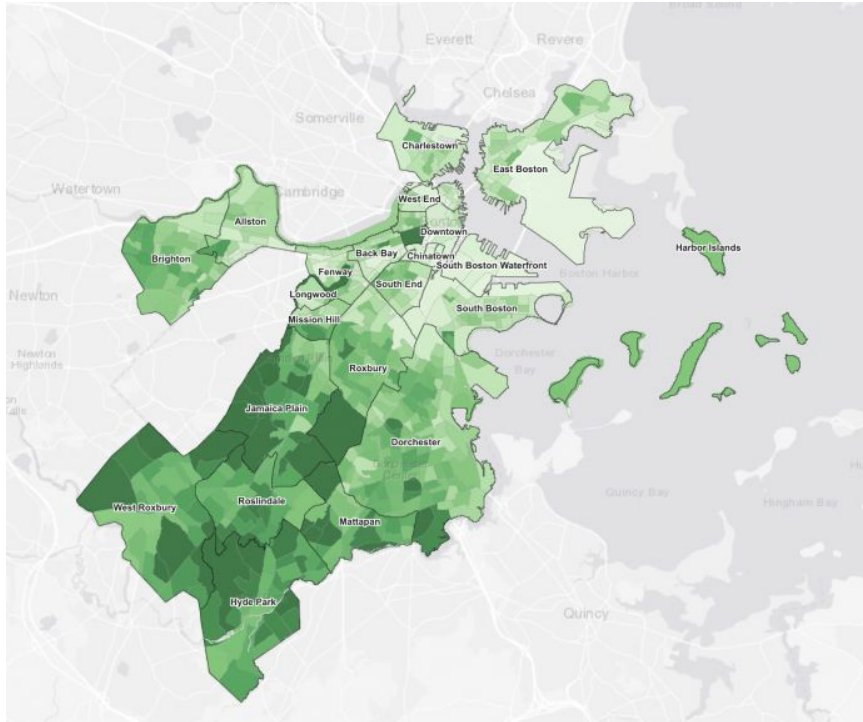


Reduced risk of heat
stroke



Projected to reduce
heat-related mortality in
future heat events

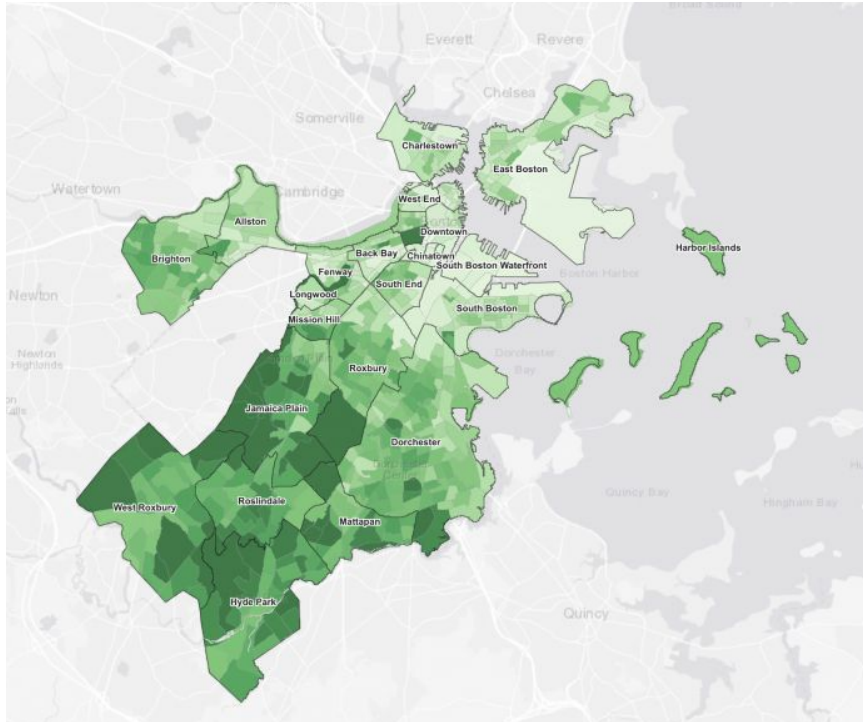
Who has access to these tree benefits?



Darker green = More trees, Lighter green = Less trees

- Trees give us all these amazing benefits, but everyone doesn't experience them equally.
- Not all neighborhoods, even in the same city, have the same number of trees.

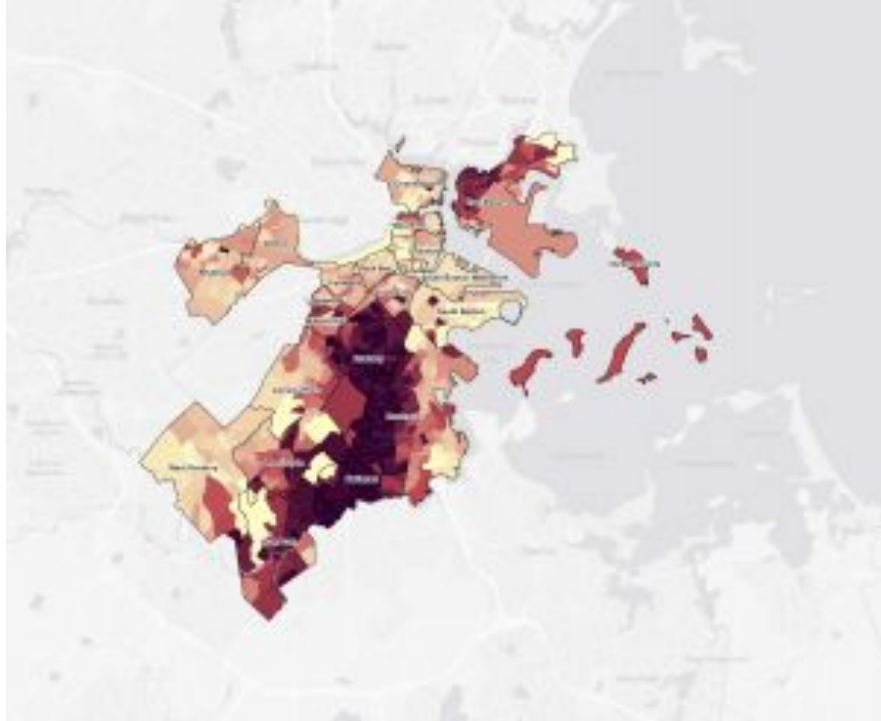
Who has access to these tree benefits?



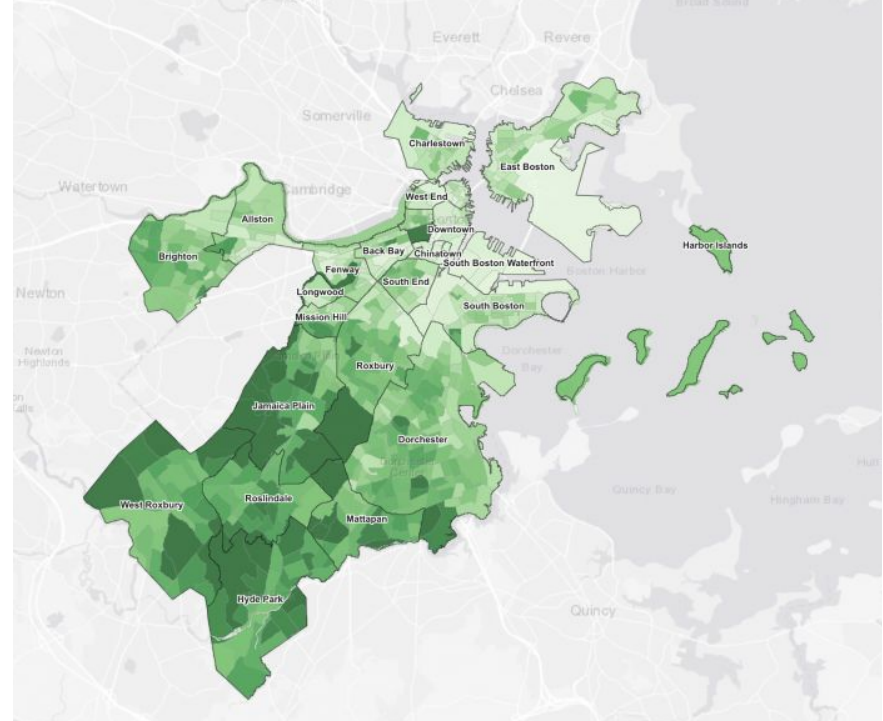
Darker green = More trees, Lighter green = Less trees

- This is due to the the history of **redlining** in Boston.
- **Redlining** = the practice of withholding resources from racial and ethnic minorities and low-income residents.
- Redlined neighborhoods have significantly fewer trees.

Who has access to these tree benefits?

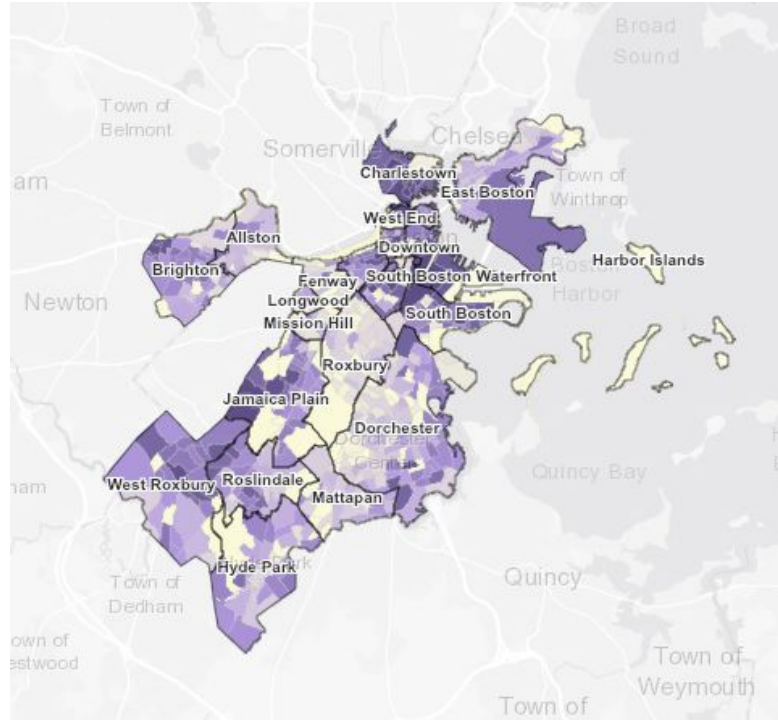


Dark Red = Higher minority population, Lighter = Lower Population

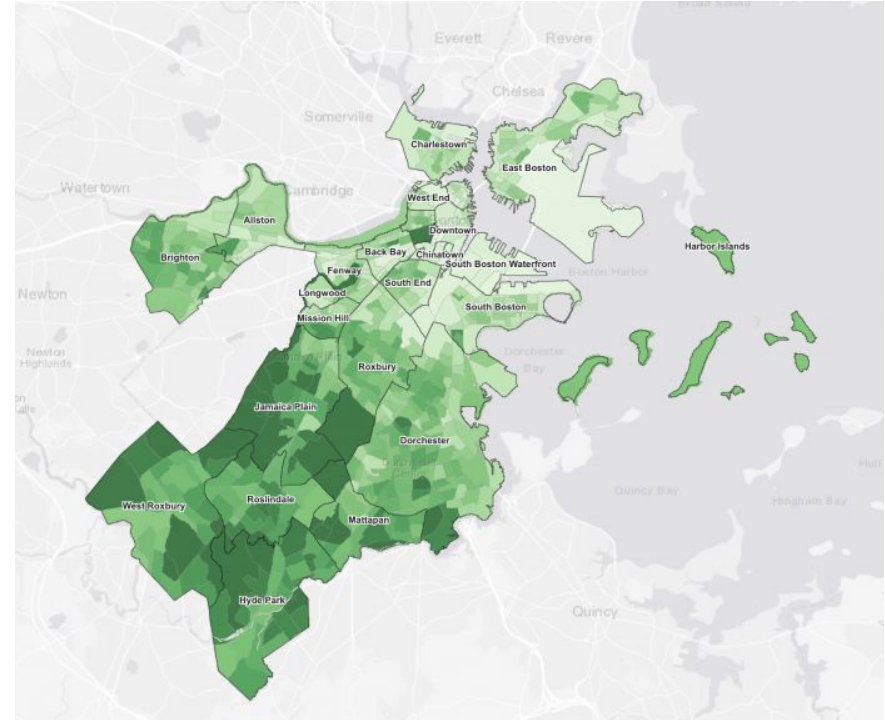


Darker green = More trees, Lighter green = Less trees

Who has access to these tree benefits?

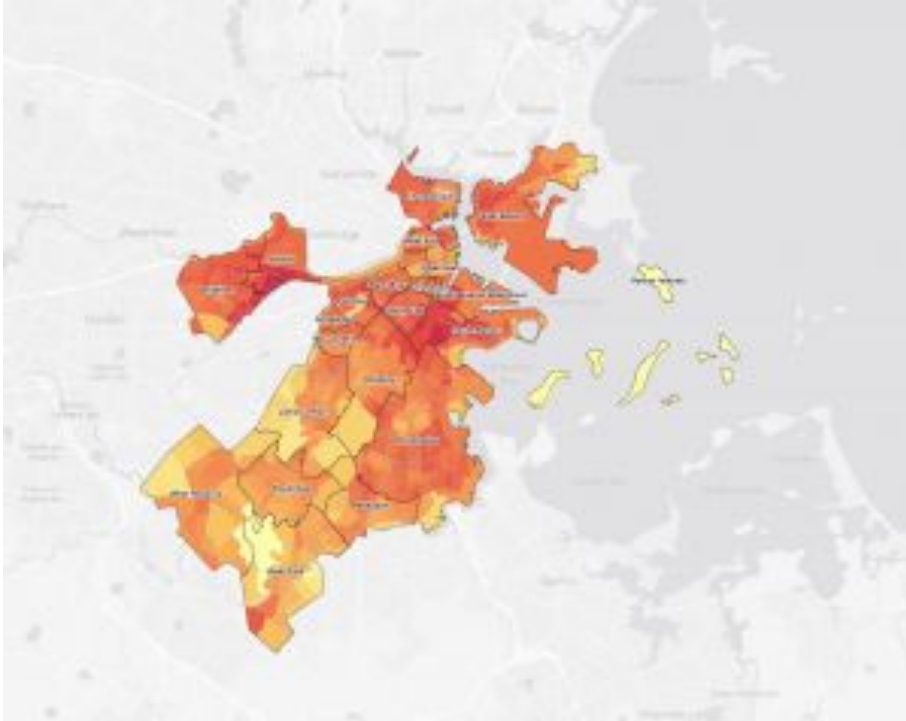


Darker Purple = Higher income, Lighter = Lower Income

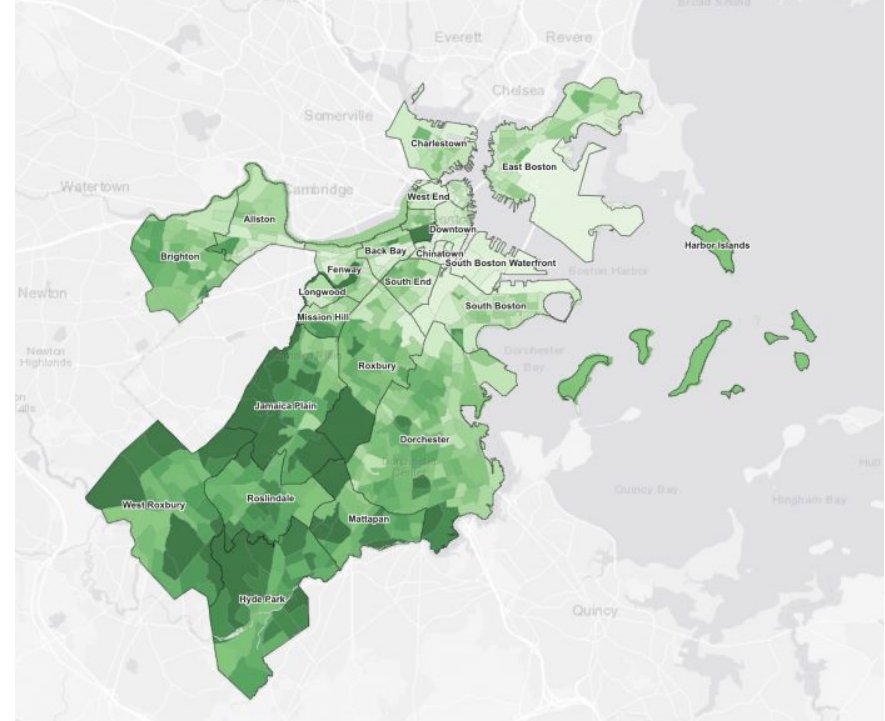


Darker green = More trees, Lighter green = Less trees

Who has access to these tree benefits?



Dark Red = Higher Surface Temperatures, Lighter = Lower Temperatures



Darker green = More trees, Lighter green = Less trees

Activity Time!

Take some time to sketch out the trees and green spaces in your neighborhood! Make sure to highlight:

- Areas with good tree coverage
- Areas without good coverage
- Where trees could be placed