# Pre-Lab Video and Reading Assignment:

This video introduces the history of Redlining and examines the legacy of negative environmental impacts that the discriminatory federal program has left in our modern urban communities, with a particular focus on tree cover ant the ecosystem services that they provide.

<https://youtu.be/uibxHzqZn-A>

This National Public Radio (npr) Article examines the relationship between the Socioeconomic Status of Neighborhoods and Temperature.

[As rising heat bakes U.S. Cities the Poor Often Feel It Most (Links to an external site.)](https://www.npr.org/2019/09/03/754044732/as-rising-heat-bakes-u-s-cities-the-poor-often-feel-it-most)

After watching the video and reading the assigned article, please take the pre-lab quiz.

Pre-lab Quiz Questions:

(2.5 pts each)

1. The term "redlining" is used to describe a  policy that assigned financial security designations to neighborhoods based primarily on the race, ethnicity and immigration status of their residents. These designations were used to determine eligibility for .
2. Studies have found that formerly redlined neighborhoods contain
   1. significantly more tree cover than formerly greenlined neighborhoods.
   2. significantly less tree cover than formerly greenlined neighborhoods.
   3. tree cover amounts that are similar to those of formerly greenlined neighborhoods.
3. Neighborhoods with more impervious (i.e., water can't pass through it) surfaces and less tree cover tend to have  summer temperatures and  levels of air pollution when compared to neighborhoods with higher tree cover lower impermeable surfaces.
4. Based on the assigned video and article, what do you predict will be the relationship between mean annual household income and tree cover across all of the Census tracts in the Cities of Plano and Dallas?
   1. Neighborhoods with higher mean annual household incomes will have lower tree cover.
   2. Neighborhoods with higher mean annual household incomes will have higher tree cover.
   3. Annual mean household income in neighborhoods will not be correlated with tree cover.