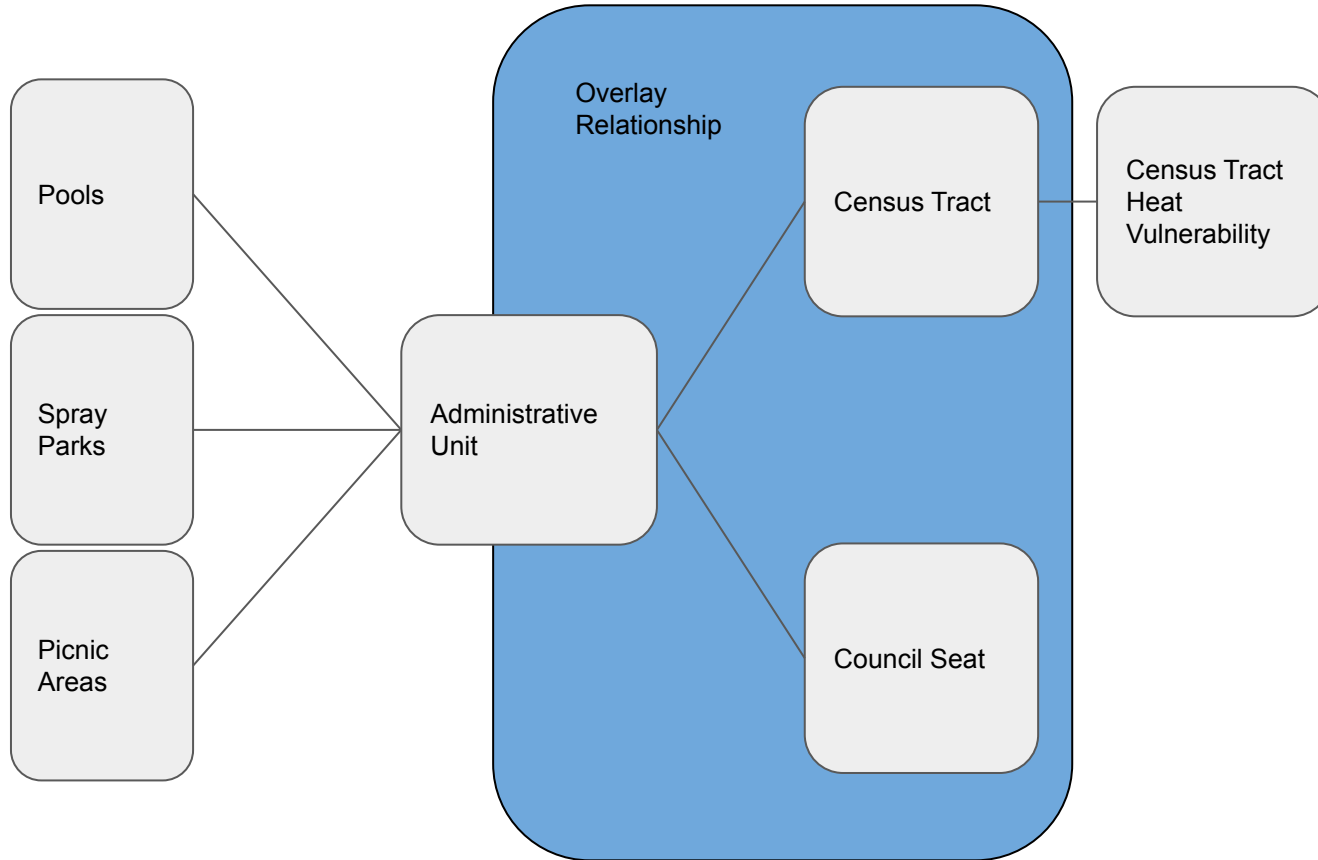


Data Model



- 1) Each pool, spray park, and picnic area has been assigned an “administrative area”.
- 2) “Administrative Units” are the geographic area created by overlaying a Council Seat and Census Tract
- 3) An additional dataset has been provided with the names of 74 census tracts marked as having a high heat index – these are the hottest census tracts in the city.
- 4) A census tract is a geographic division of the city, used for the census.
- 5) A council district is a geographic unit of the city which is overseen by a specific council member.

Questions

In the following questions, act as an analyst for the City of Philadelphia. Answer the following questions to the best of your ability, provide visuals to further your answer, and give a brief description of how you came to your answer.

- 1) How many pools are in the district of council member 10?
- 2) How many active pools are currently in the city? Which council district has the highest number? The lowest?
- 3) Does there seem to be a relationship between the number of different amenities (pools/spray parks/picnic areas) across census tracts.
- 4) If water activities are to be identified as pools and spraygrounds, which high heat census tracts have the fewest water activities? City council people from which districts could be engaged to increase this number?