

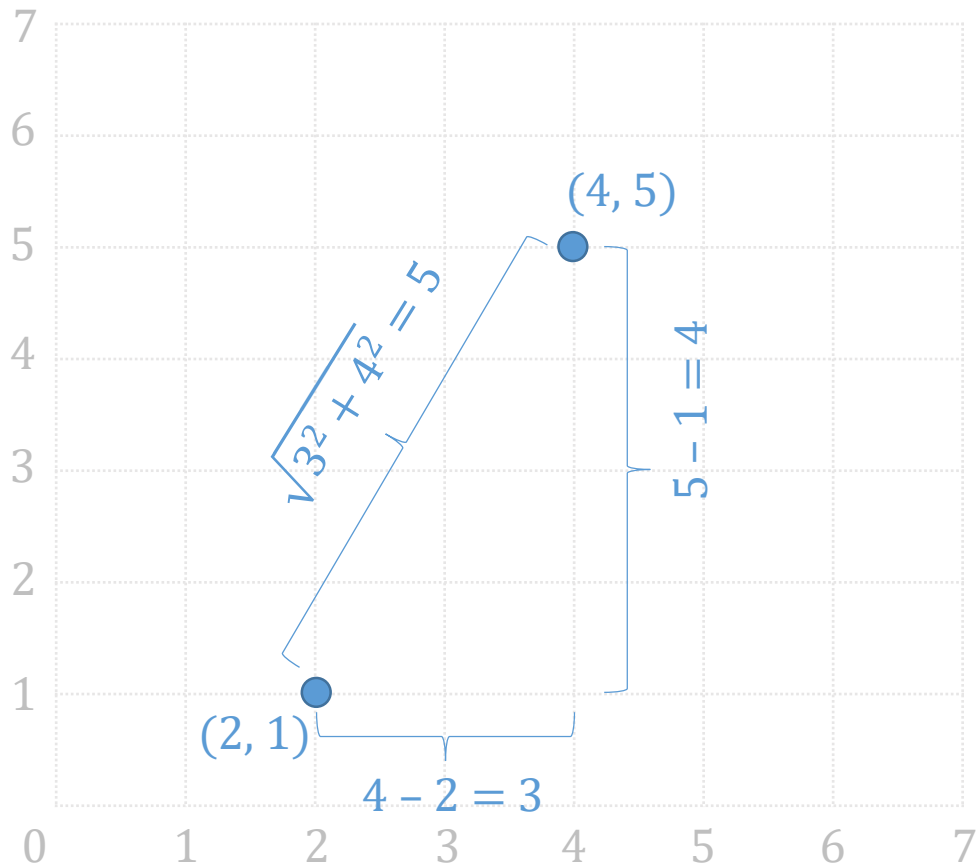
Distance

First law of geography

Everything is related to everything else, but near things are more related than distant things”

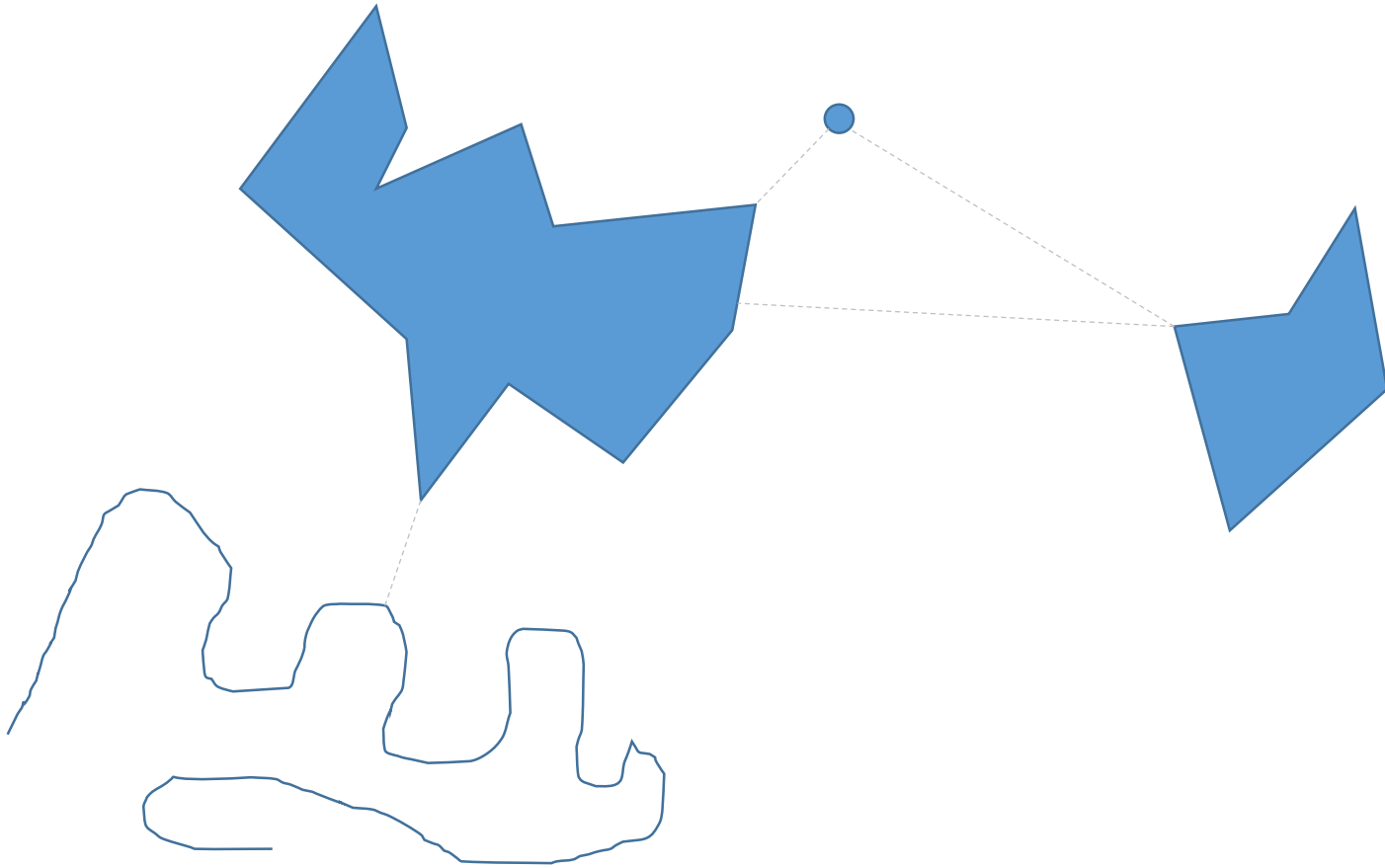
~ *Waldo Tobler*

Distance between two points

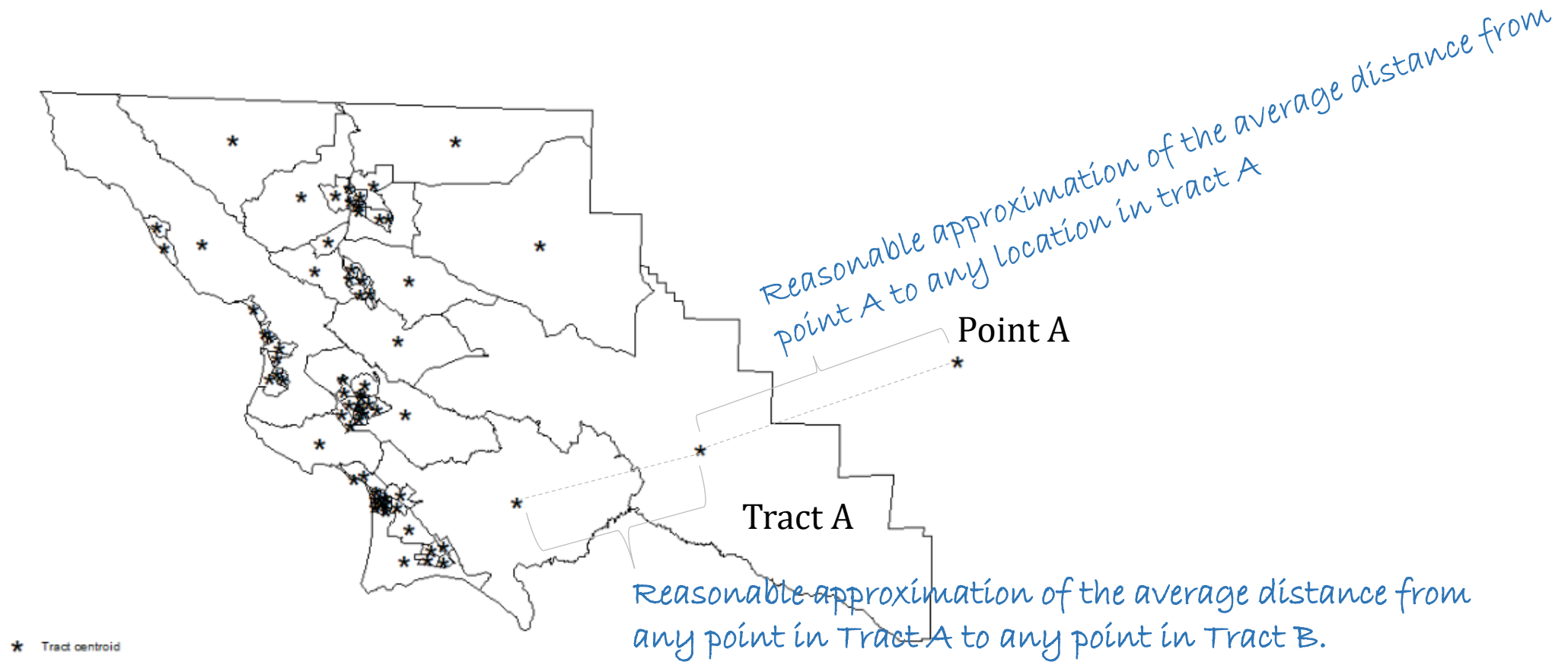


Coordinates must be in units of distance (or you need to be able to convert them to units of distance).

Distance between things that aren't points

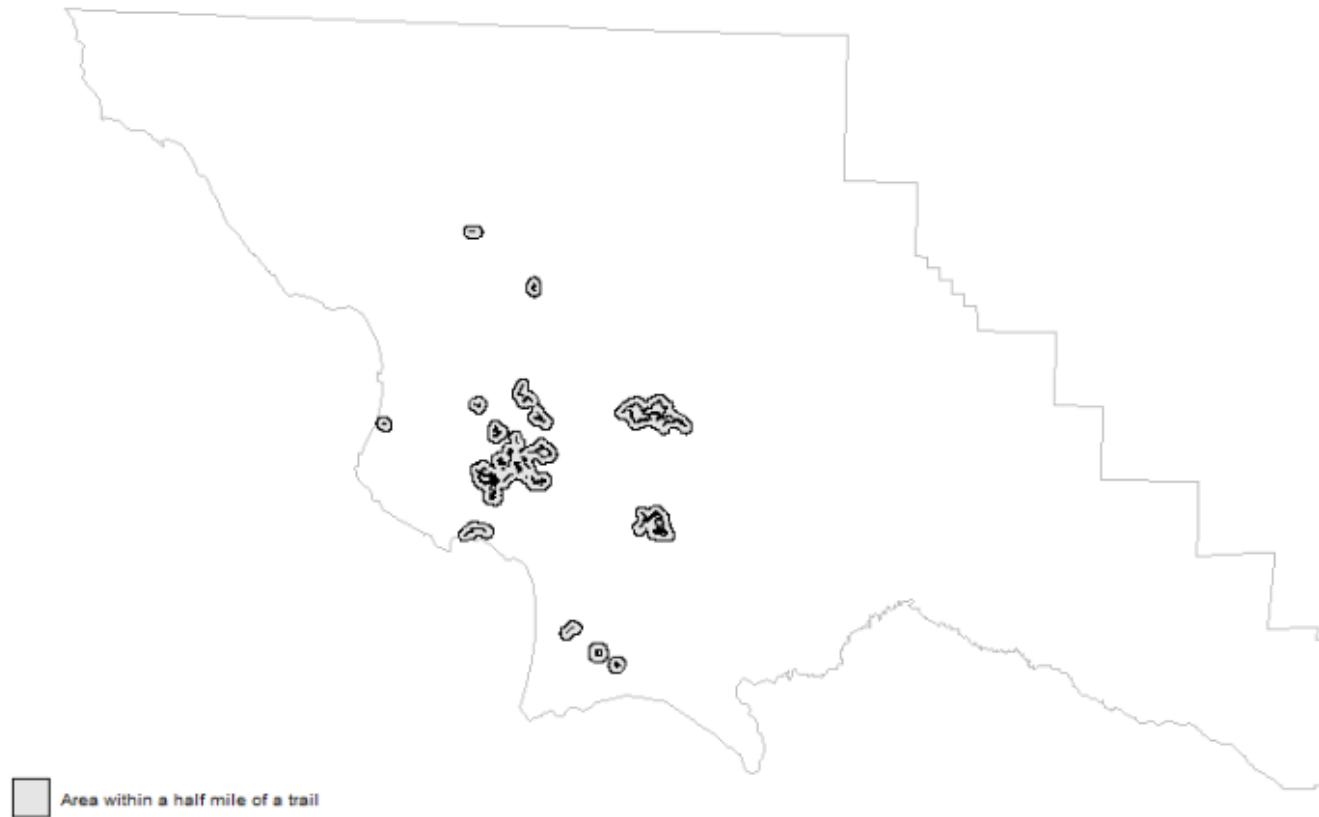


Centroids

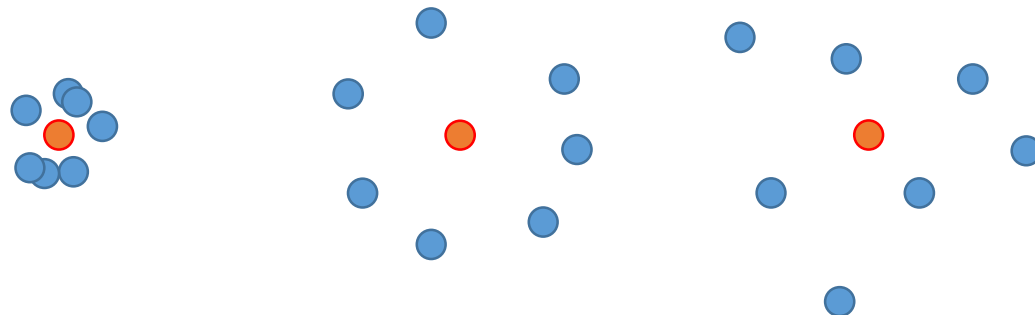


Bonus: Centroids are also handy for placing labels!

Buffers

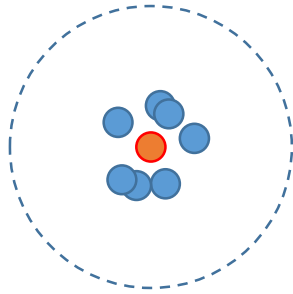


The danger of thresholds

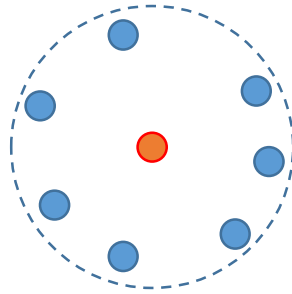


The danger of thresholds

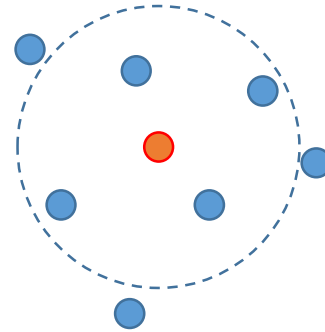
7 nearby dots



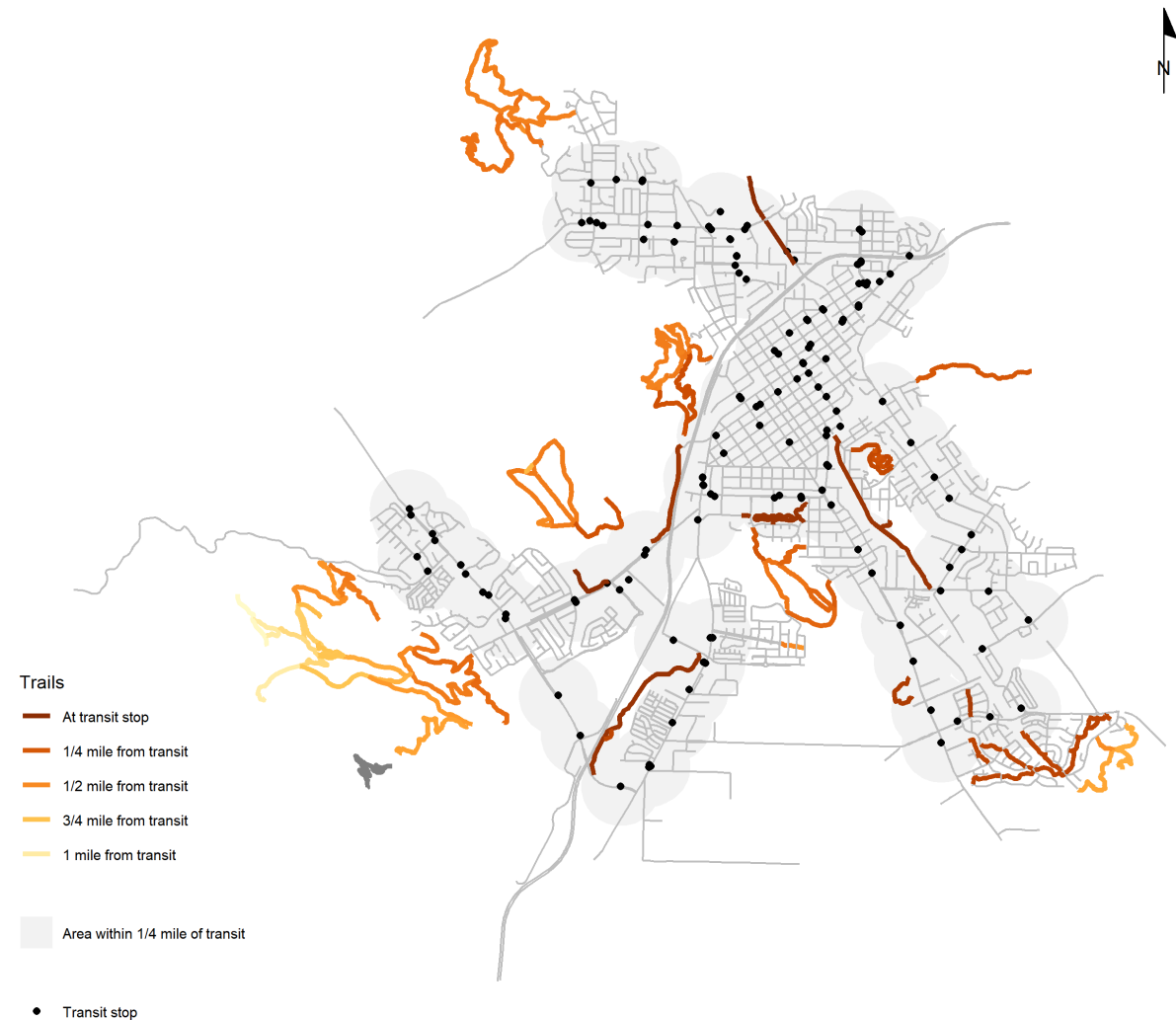
7 nearby dots



4 nearby dots



Distance as a characteristic of a feature



Write down two or three questions you could answer about your datasets by calculating distances.

What steps would be involved in answering your questions?