The Future of Rail in New Jersey

Transforming NJ Transit's Commuter Rail Service into True Regional Rail

Presented By: Shannon Allotey, Hunter Davis, Vinay Madhugiri, and Sofia Pai

New Jersey is the Most Densely Populated State in the U.S.

New Jersey is a Global Economic Powerhouse

New Jersey has one of the better Commuter Rail systems in America

New Jersey deserves more

Our Goal

- Identify Gaps in Service
- Expand Along Existing Infrastructure

What We Did

- Collect
- Clean
- Store
- Analyze
- Visualize

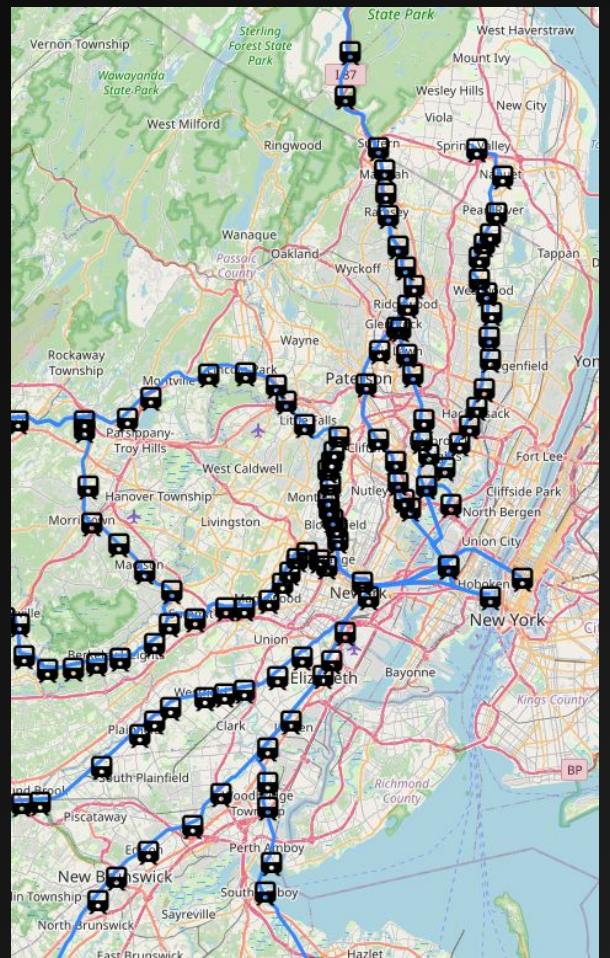
Guiding Questions

1. What does NJ Transit's current rail service look like?
2. What are the ideal conditions for a municipality to have a station?
3. Where are the gaps in the current NJ Transit map?
4. What municipalities would be good candidates for expansion?
5. What could an expanded NJ Transit look like?

Visualization 1

- Shows Existing NJ Transit Service
- Serves as Foundation for Analysis

Visualization 1

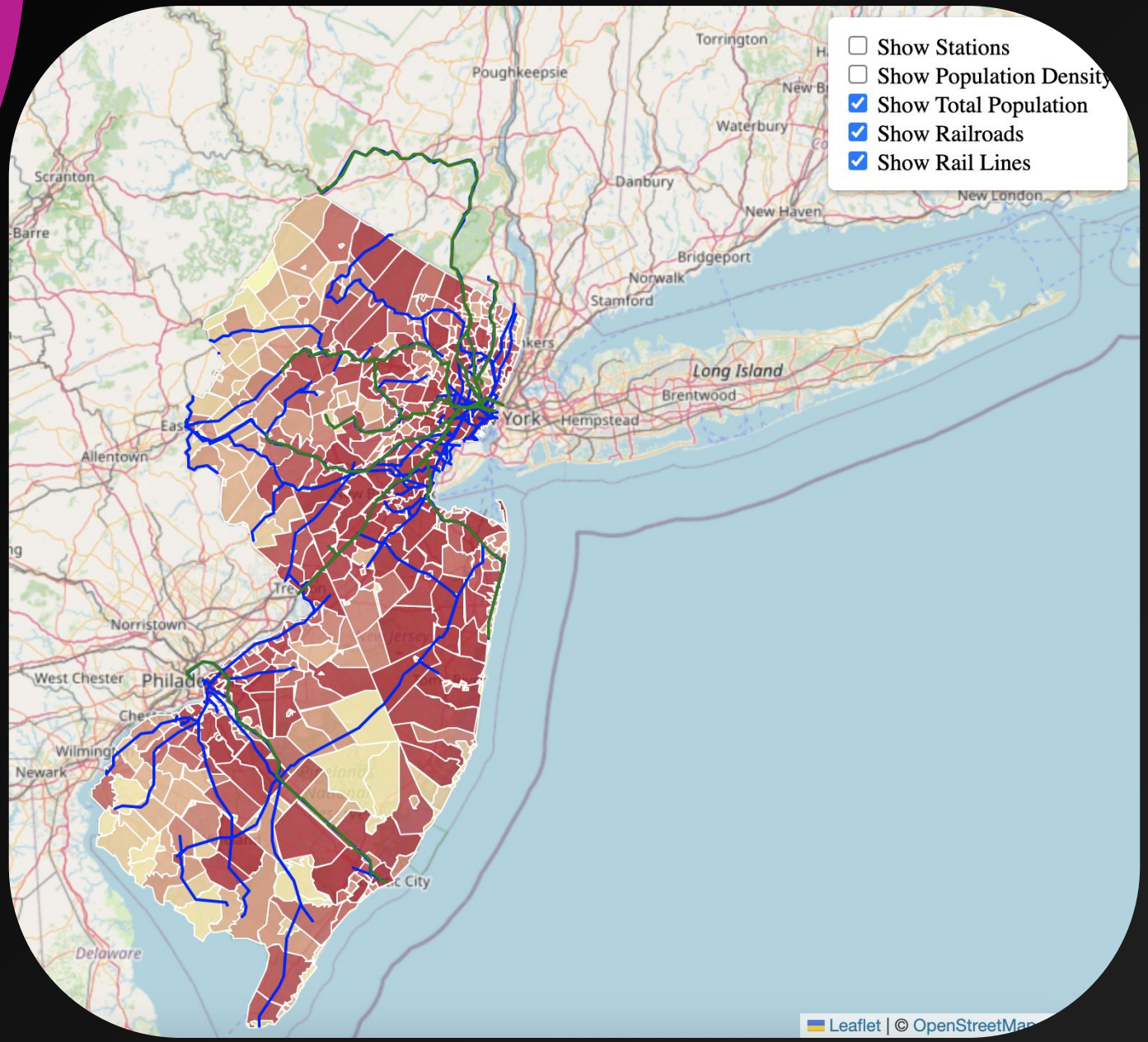


Our Goal

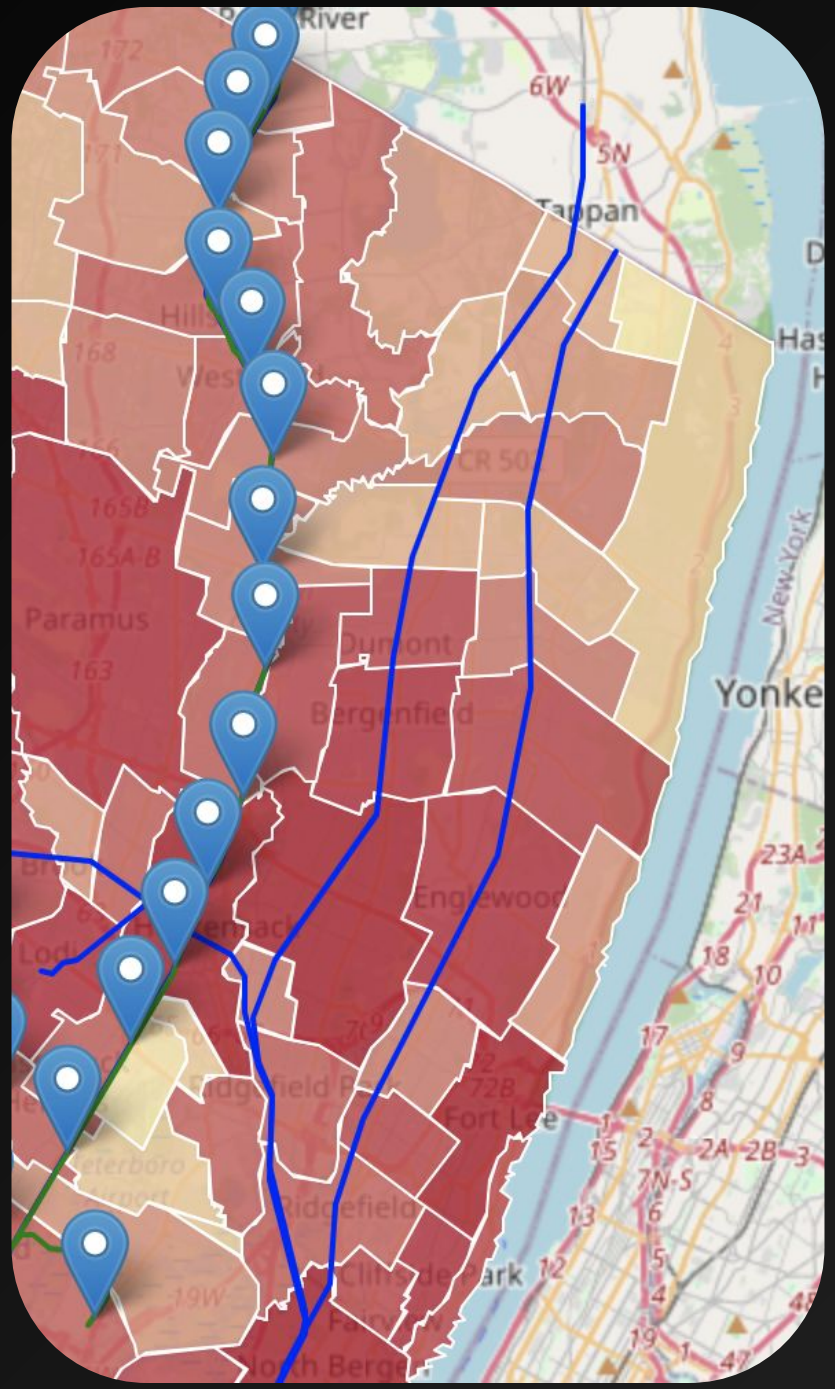
- Identify Gaps in Service
- Expand Along Existing Infrastructure

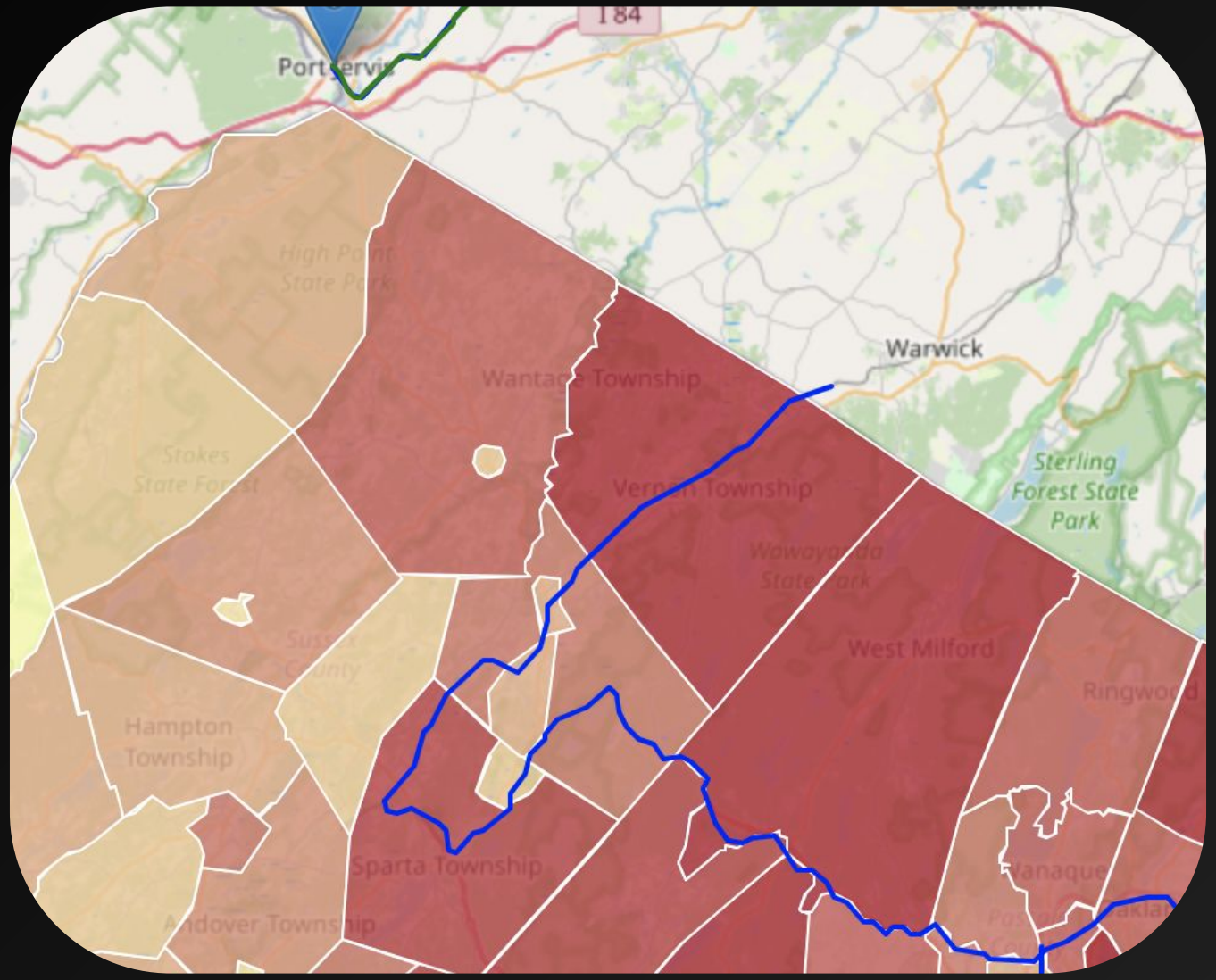
Visualization 2

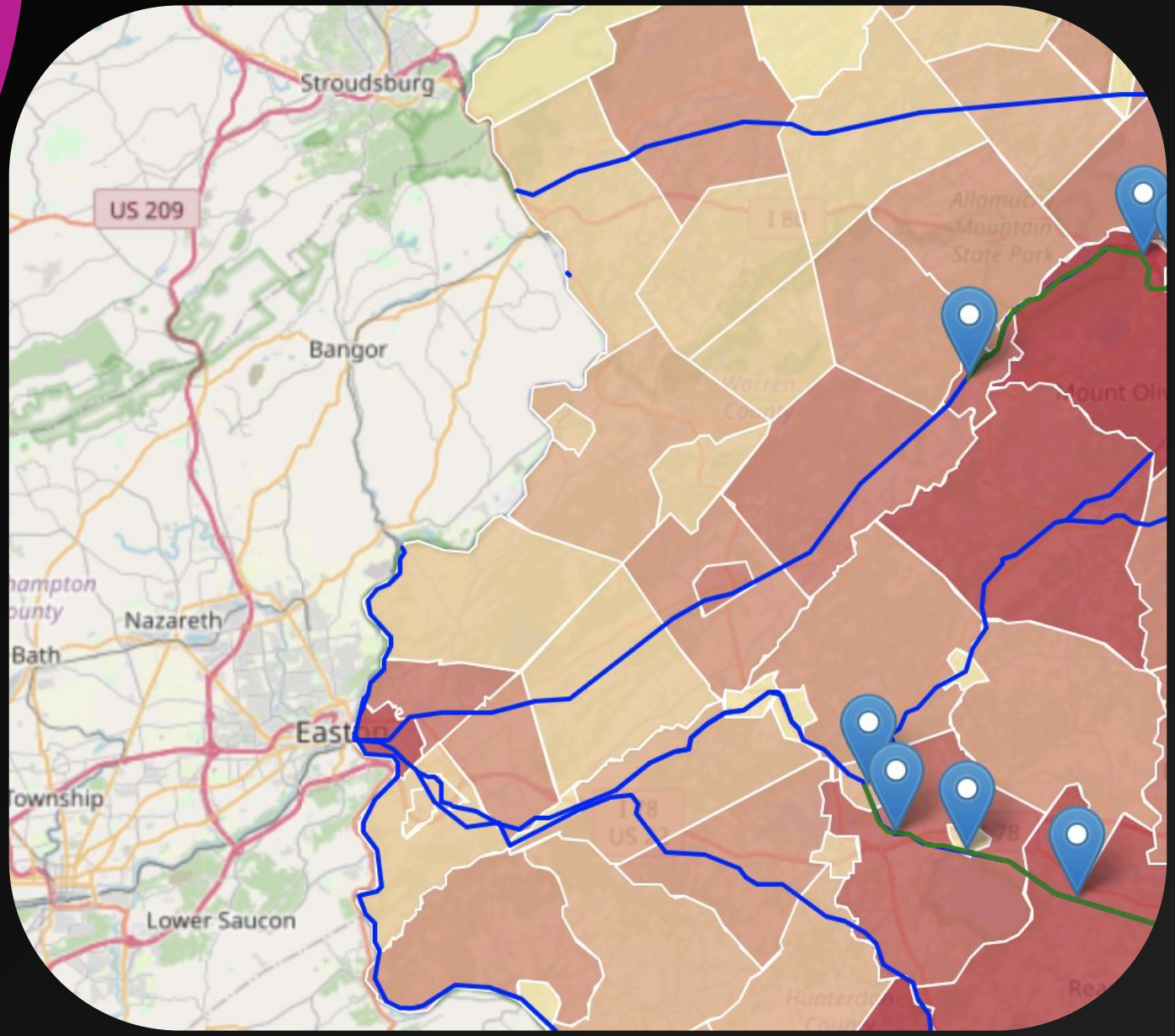
- Outlines Municipalities of NJ
- Shows All Rail Lines in NJ


Show Stations
Show Population Density
Show Total Population
Show Railroads
Show Rail Lines
Torrington
Poughkeepsie
Waterbury
Danbury
New Haven
New London
Bridgeport
Norwalk
Stamford
Long Island
Brentwood
Hempstead
York
Scranton
Barre
Allentown
Norristown
West Chester
Wilmington
Newark
Delaware
Leaflet | © OpenStreetMap

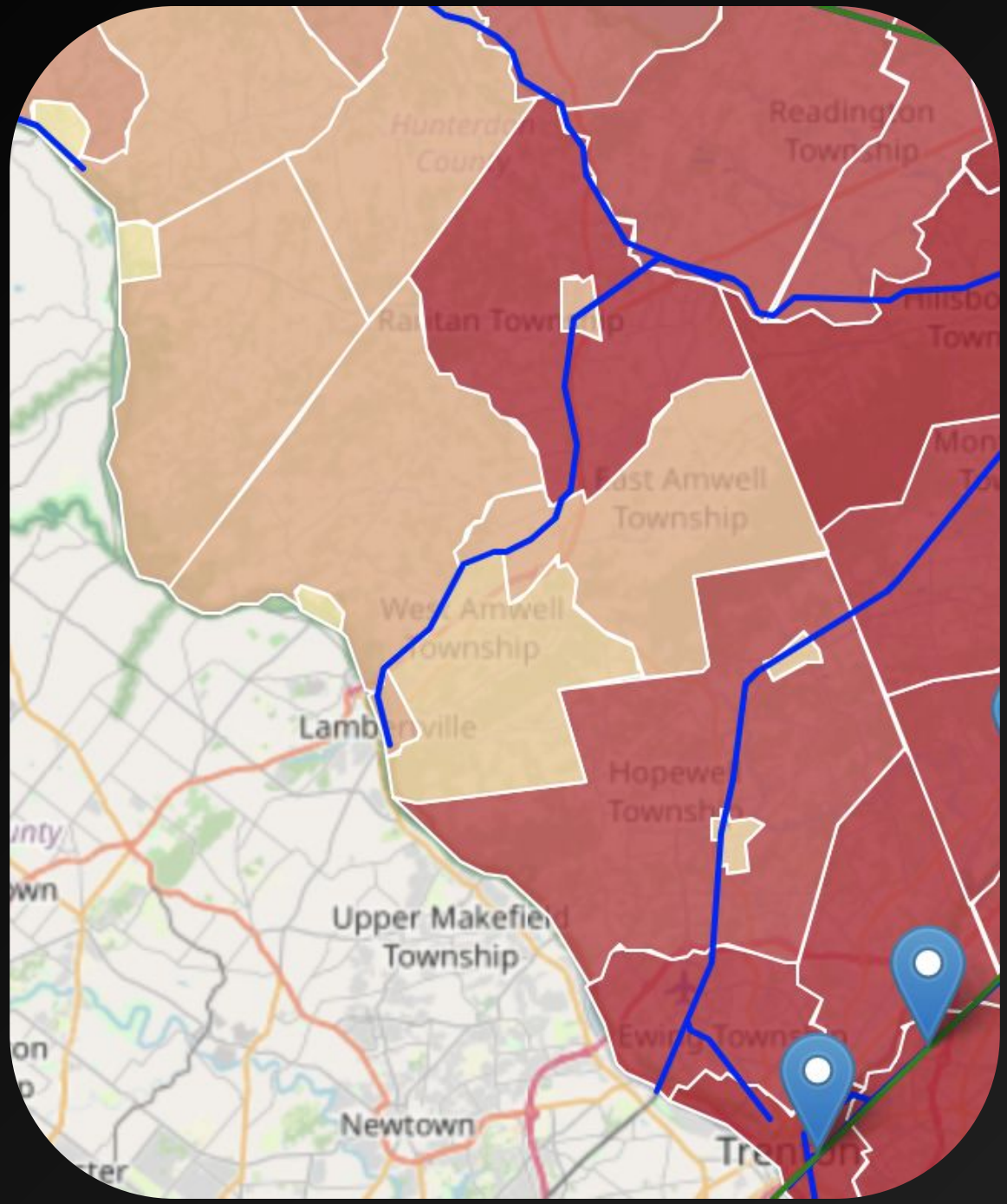
Analysis:
North Jersey

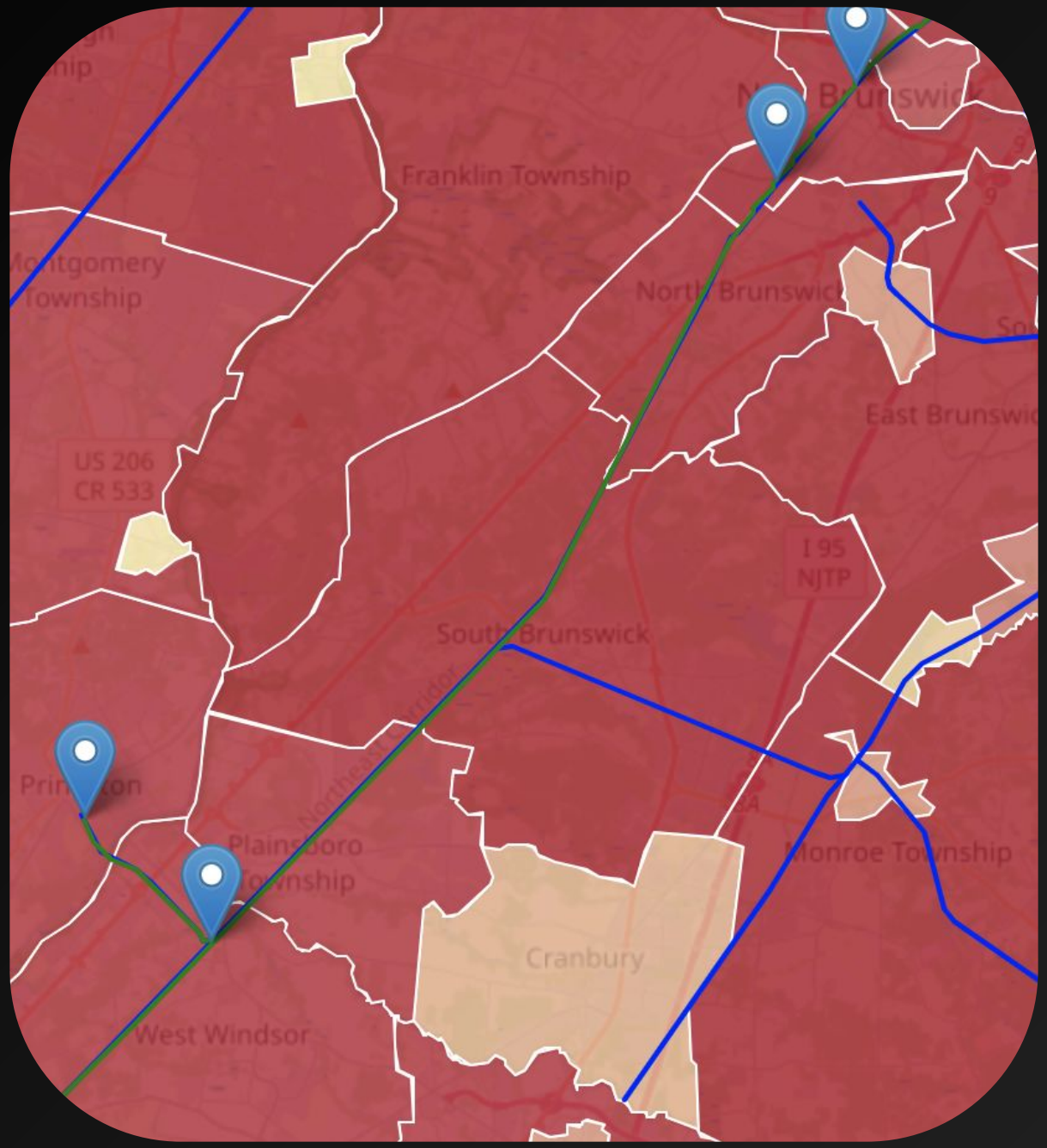

River
6W
5N
Tappan
Paramus
Bergenfield
Dumont
Englewood
Fort Lee
Yonkers
New York

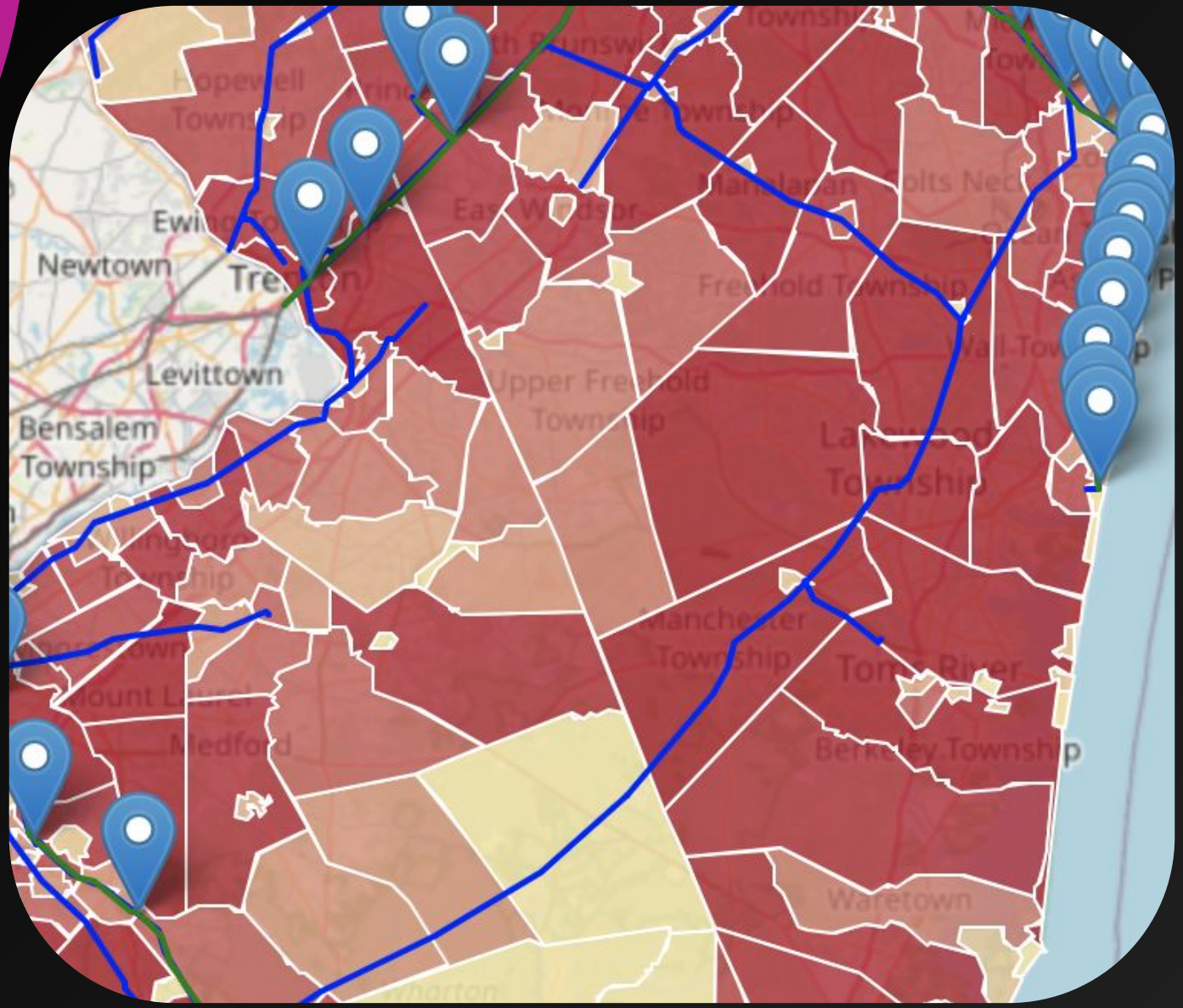

Warwick
Sterling Forest State Park
West Milford
Hampton Township
Sparta Township


Stroudsburg
US 209
Bangor
Nazareth
Bath
Lower Saucon

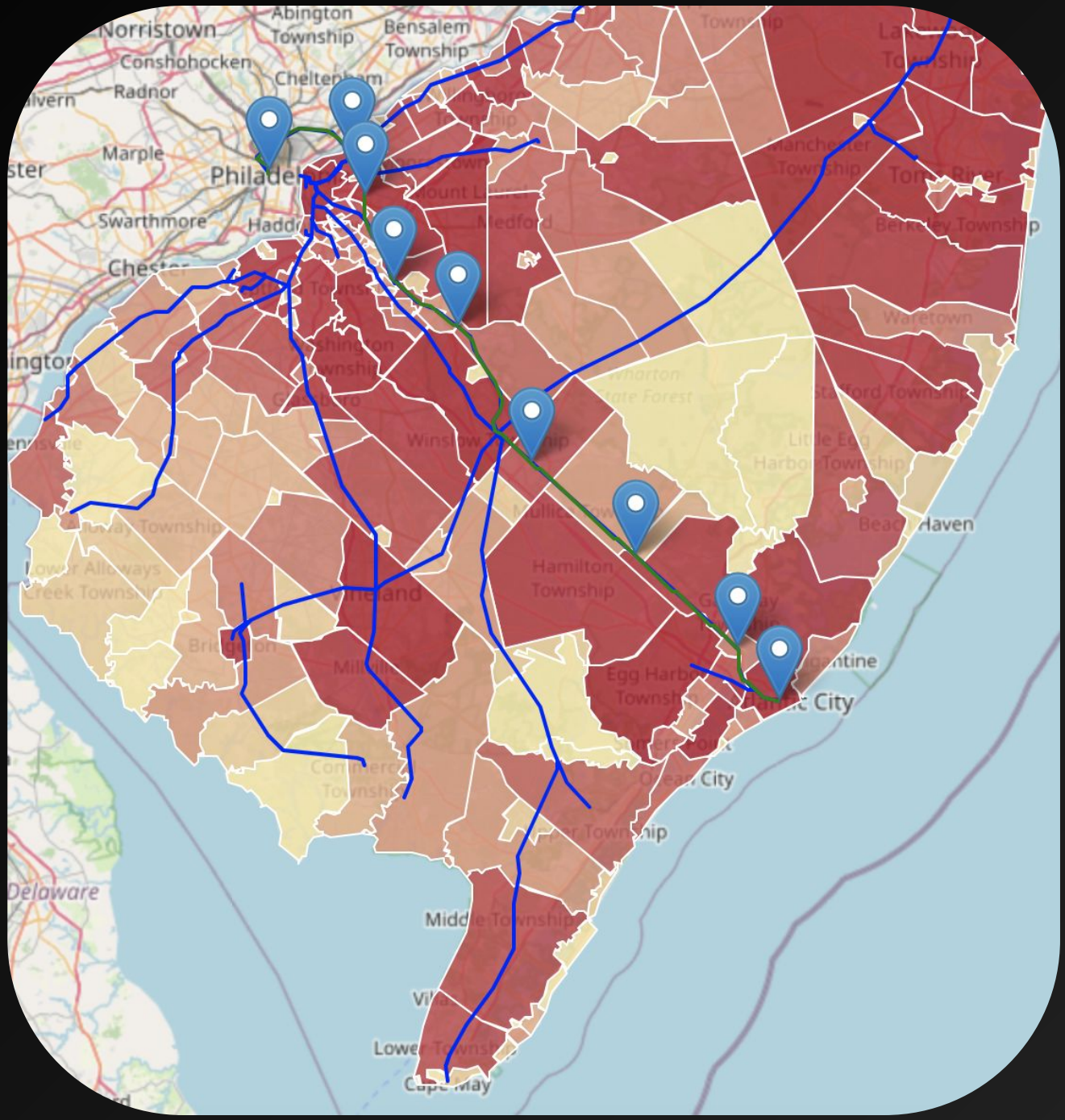
Analysis:
Central Jersey


Readington Township
Raritan Township
East Amwell Township
West Amwell Township
Hopewell Township
Upper Makefield Township
Newtown


Franklin Township
Montgomery Township
North Brunswick
East Brunswick
US 206
CR 533
I 95
NJTP
South Brunswick
Plainsboro Township
Monroe Township
Cranbury
West Windsor


Newtown
Levittown
Bensalem
Township

Analysis:
South Jersey


Norristown
Abington Township
Bensalem Township
Conshohocken
Radnor
Marple
Swarthmore
Hamilton Township
Egg Harbor Township
Atlantic City
Ocean City
Middle Township
Lower Township
Cape May
Delaware

New Lines

West Trenton

Lehigh

Middlesex-Ocean-Monmouth

Hudson

Benefits

- Increases Connectivity Across the State
- Reduces Car Dependency
- Offers Opportunities for Redevelopment

Future Projects

- NJ Transit Bus Reconfiguration
- PATH Integration
- Construction Along Highway Medians:
  - US-195
  - US-287
- Redevelop Industrial Areas

Data Courtesy of the NJGIN Open Data Portal

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