

Broadband Providers by NYS County

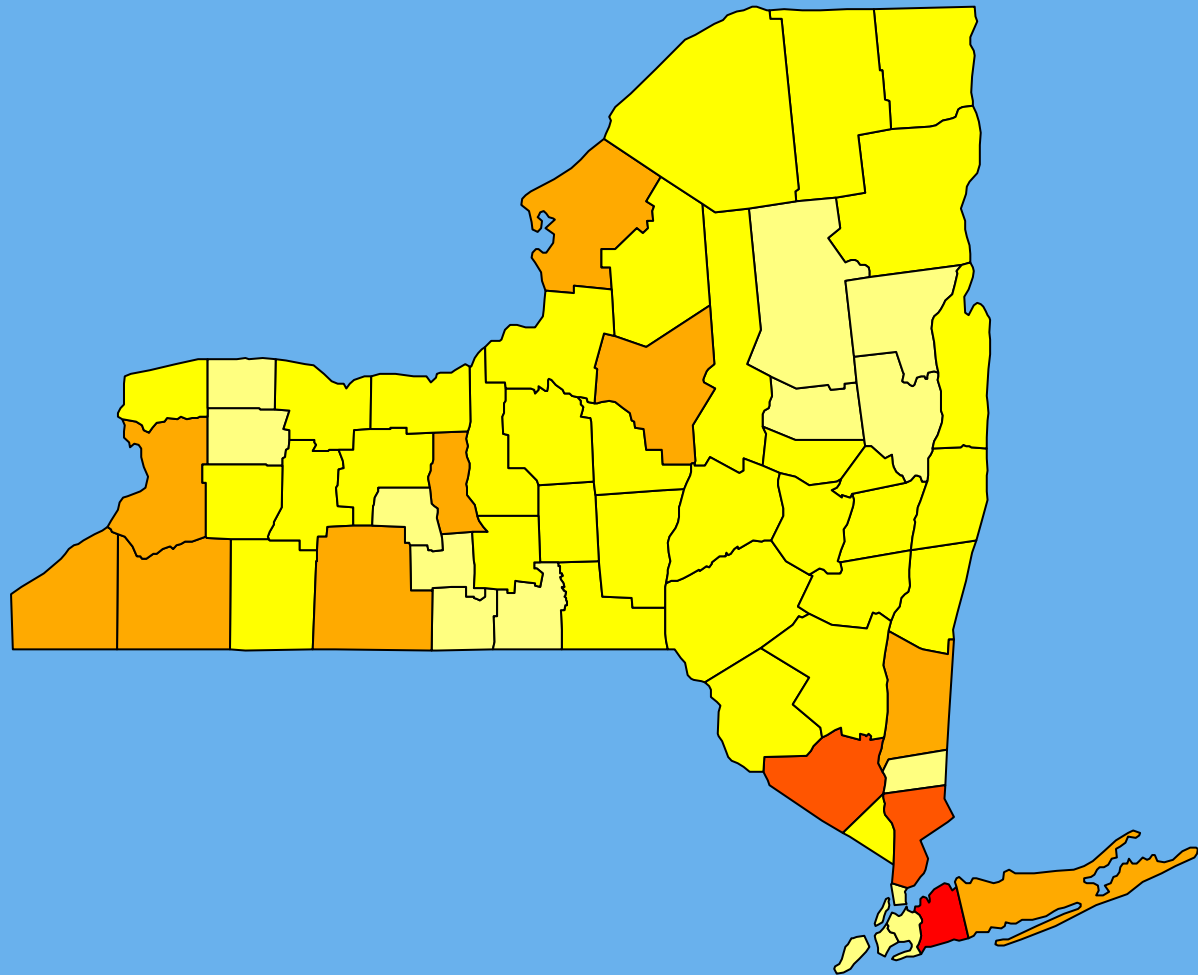
Sam Bull

IST 719: Information Visualization



With the Internet becoming more and more available to the everyday American, so too have the ways that people can gain access to it. The results below try to show the availability, or lack thereof, of these services across the State of New York.

Cable Providers by NYS



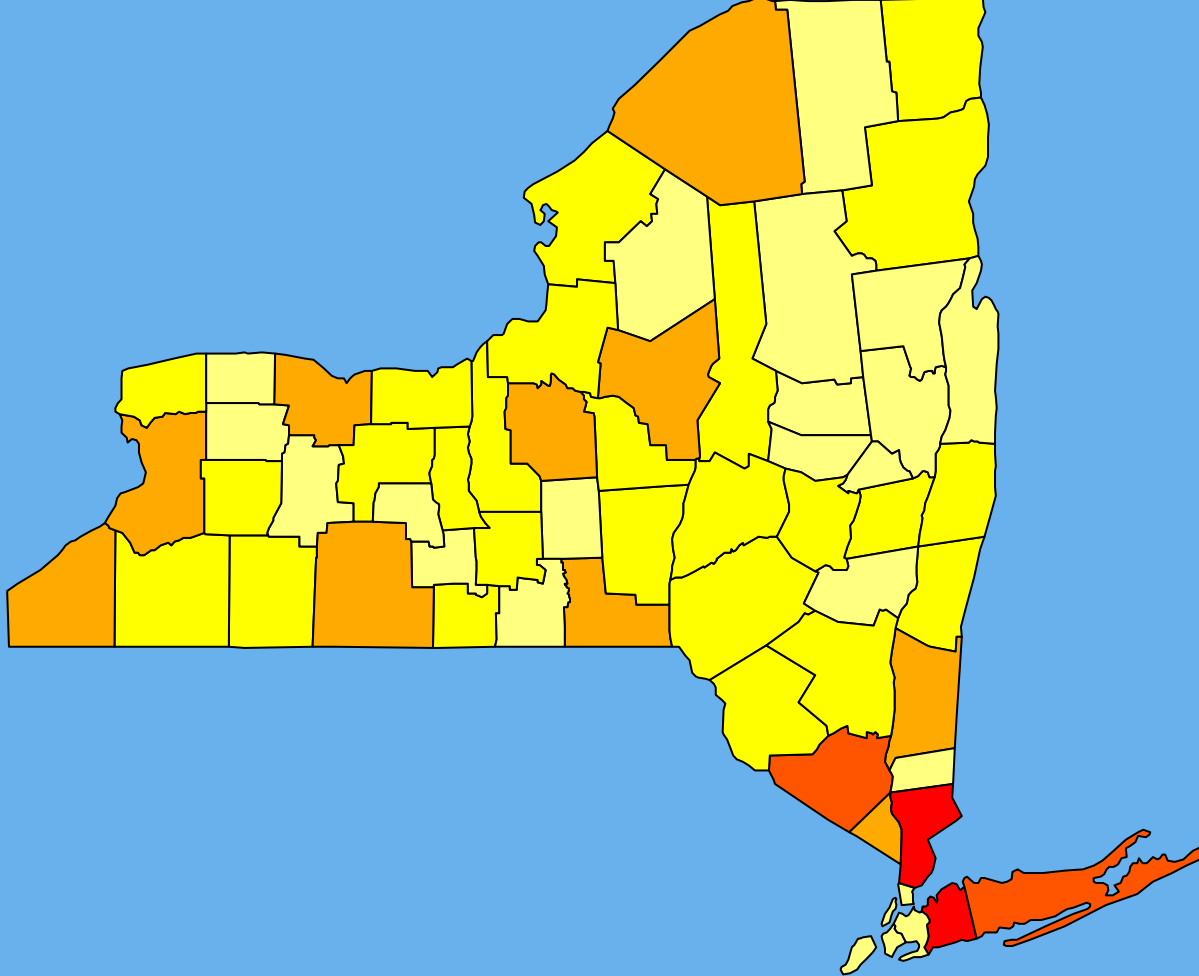
Potential Audience:

- 1. NYS Residents (to advocate for better access)
- 2. NYS Government (to set standards)

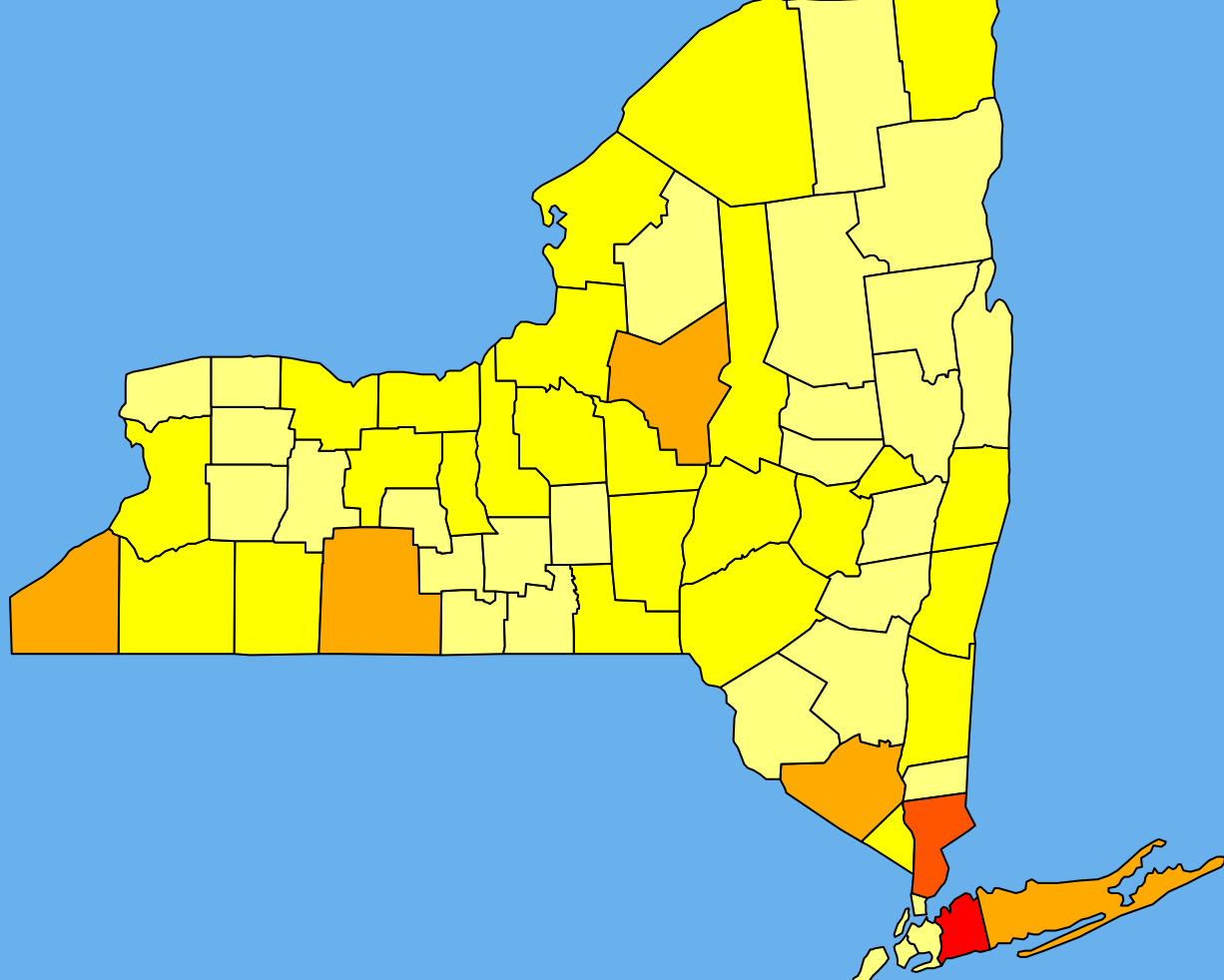
Questions Answered Through Plots:

- 1. How many providers are there per NYS County? (Maps)
- 2. What is the distribution of Population/Housing units across the state? (Pie Charts)
- 3. What is the frequency of different service providers by NYS region? (Stacked Barplot)

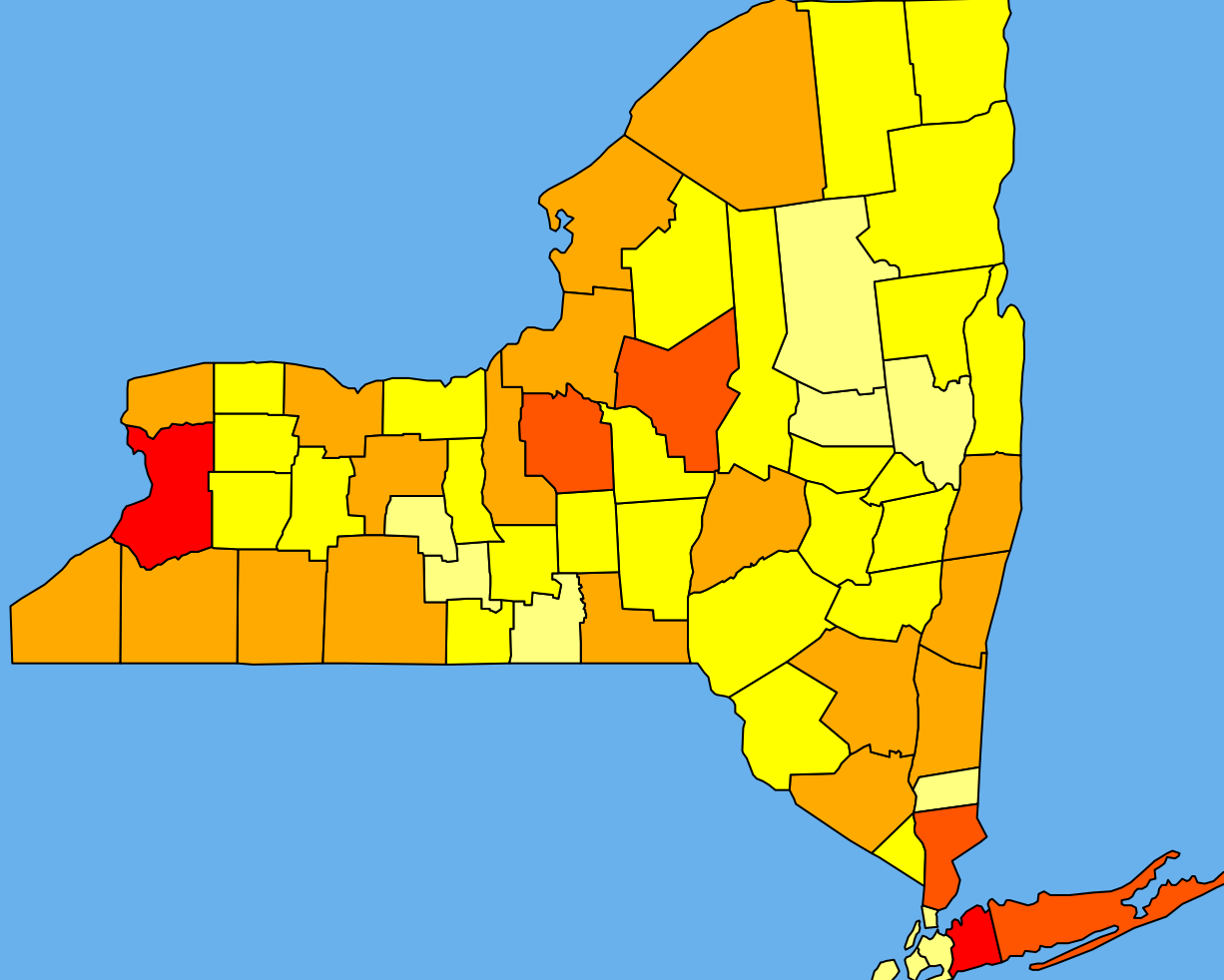
Wireline Providers by NYS



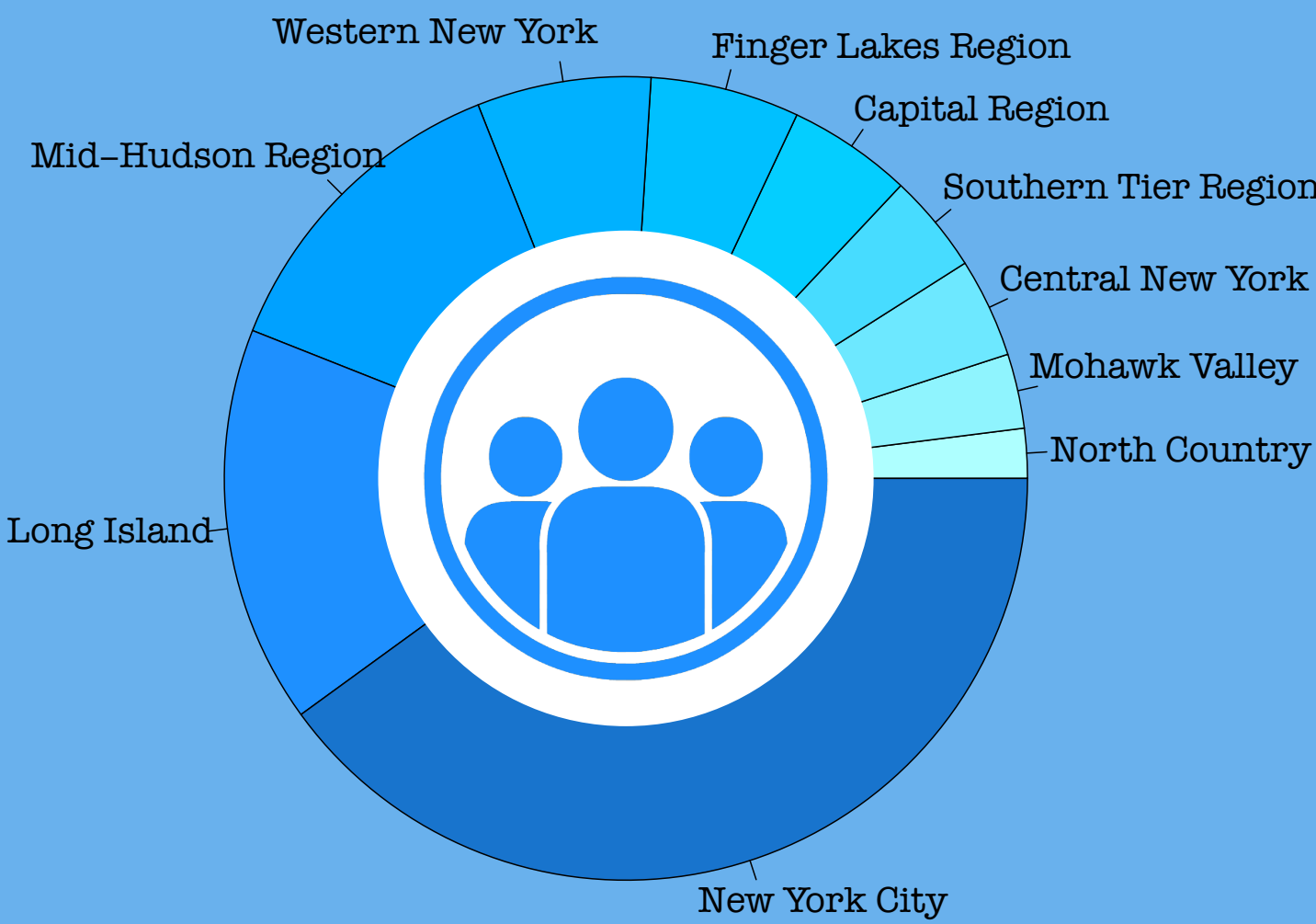
DSL Providers by NYS



Wireless Providers by NYS

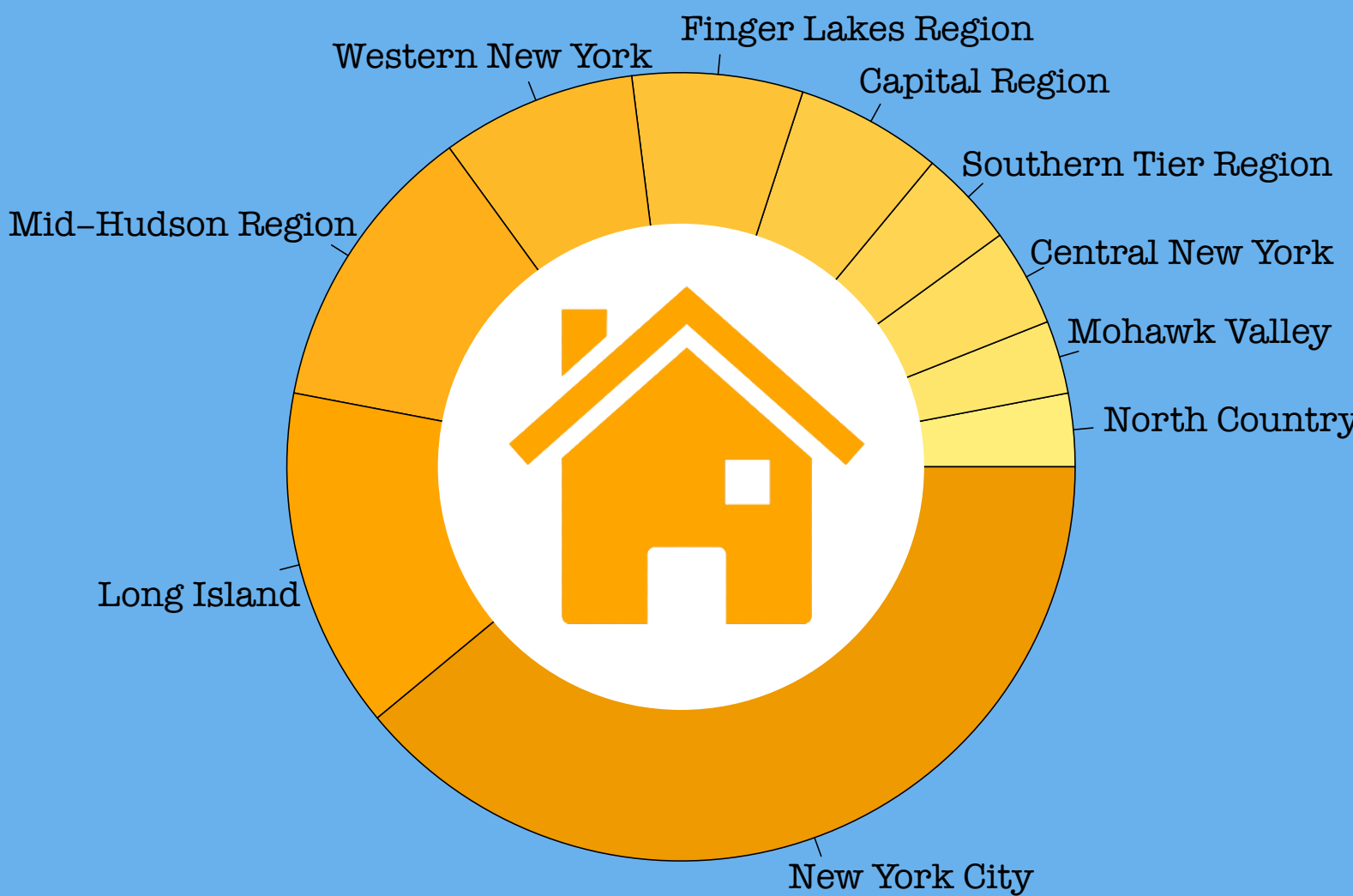


NYS Population by Region



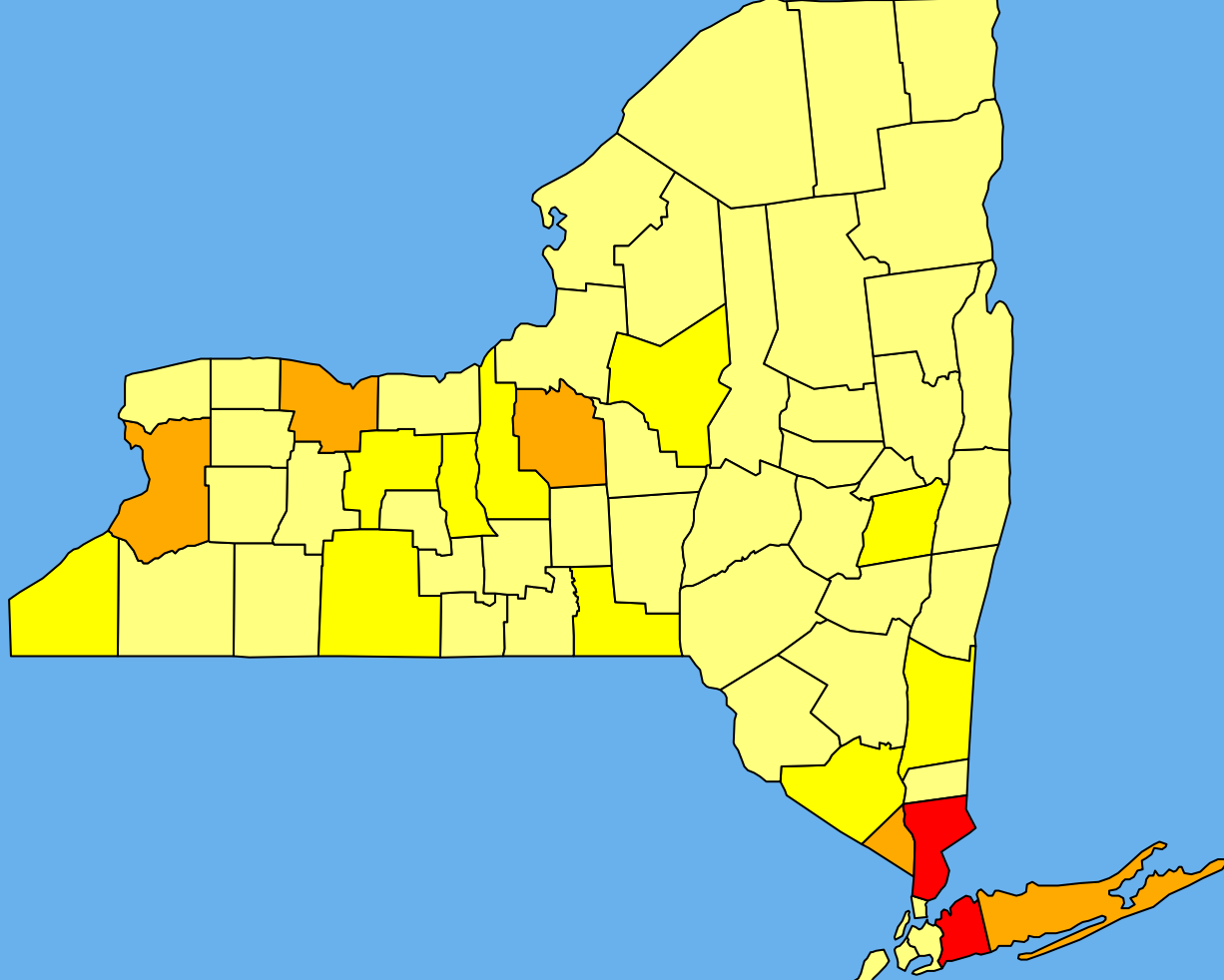
Total Population: 20,623,247

NYS Housing Units by Region

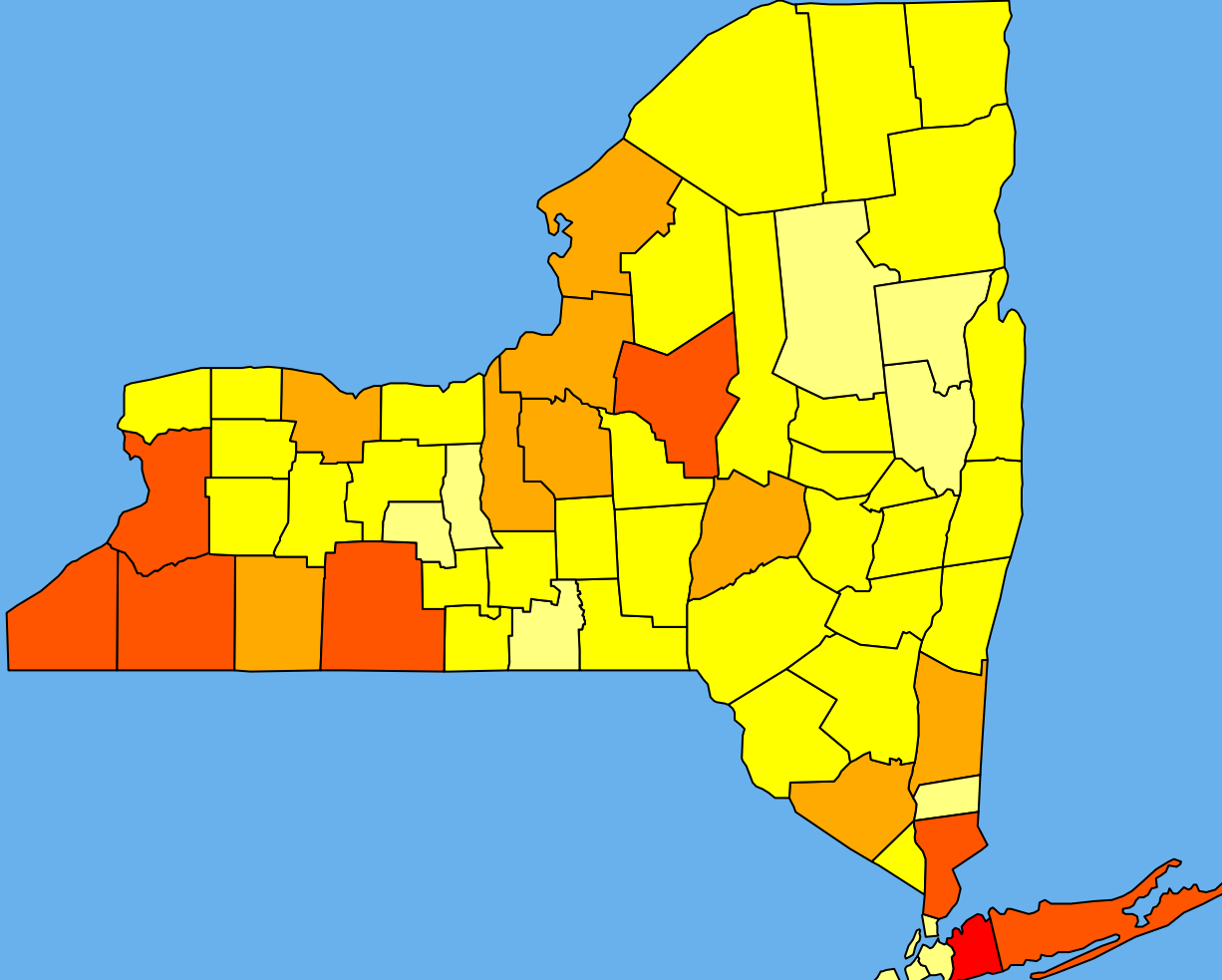


Total Housing Units: 8,614,496

FiberOptic Providers by NYS



Satellite Providers by NYS



Dataset Description:

- 1,635 Observations x 24 Variables (Before Cleansing)
- 1,351 Observations x 24 Variables (After Cleansing)
- 2010 Census Data (for Pop. and Housing Units)
- Data last updated in June 2019
- Additional Dataset created for Stacked Barplot

Source:

<https://data.ny.gov/Economic-Development/Broadband-Availability-By-Municipality/sjc6-ftj4>

R Packages: ggplot2, maps, plotrix, ggmosaic

Source: data.ny.gov | NYS Office of Information Technology Services

	Cable	DSL	FiberOptic	Satellite	Wireless	Wireline
Capital Region						
Central New York						
Finger Lakes Region						
Long Island						
Mid-Hudson Region						
Mohawk Valley						
New York City						
North Country Region						
Southern Tier Region						
Western New York						