FIGHTING TO END HUNGER ONE STEP AT A TIME

Community mapping In New Brunswick, Middlesex County, New Jersey

The Rutgers Geography Department in partnership with the CESEP program
Developing maps and performing spatial Analysis for Elijah’s Promise soup kitchen

CESEP
Civic Engagement and Service Education Partnerships Program

Distribution of people using services of food pantries
New Brunswick, NJ

Sources:
US Census Bureau (2010 data)
Elijah’s Promise Survey data
Self administered surveys April 2012
Esri Arcmap 10 software
Idrisi Taigi Software

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Percent of people below poverty and Unemployed
New Brunswick, NJ

This map is a representation of the areas that have people who are both below the poverty level and also unemployed. This was one of the 12 factors that were combined to create the analysis for Middlesex County. The areas of bright red and orange colors indicate the areas with the highest percentages of people who are both living in poverty and without a job. The locations of the food pantries are also displayed.

This map displays the home locations of the 433 people who were surveyed at Elijah’s dynamic food pantry, as well as the locations of the 11 affiliated pantries in New Brunswick. Selected major roads in New Brunswick are labeled for general reference. The goal of this map is to display the spatial distribution of the people who depend on the services of the food pantries in order to help the organizations reach the people who depend on them.

Area’s in need of food services, Middlesex county, NJ

This map displays the spatial distribution of the 52 people who provided an address for a survey conducted during both the lunch and dinner hours at Elijah’s Promise soup kitchen. Not everyone surveyed provided an address, implying that a substantial location population depends on the services of Elijah’s promise soup kitchen.

This map is a close up look at the city of New Brunswick from the top center map of Middlesex county. This map displays areas that have high suitability for soup kitchens and food pantries, as well as the current locations of the network of soup kitchens and food pantries that are within New Brunswick.

Distribution of surveyed clients using
Elijah’s Promise soup kitchen
New Brunswick, NJ

This map displays the spatial distribution of the 432 people who provided an address for a survey conducted during both the lunch and dinner hours at Elijah’s dynamic food pantry. Not everyone surveyed provided an address, implying that a substantial location population depends on the services of Elijah’s promise soup kitchen.

Area’s In need of food services, New Brunswick, NJ

This map above was created by combing several factors to determine establish locations for food pantries throughout Middlesex County. The map is a combination of 12 census demographics, including the percentage of people living below the Poverty level, amount of people receiving supplemental security income (food stamp), the median annual income per household, the percentage of people below the poverty level who are also unemployed, the percentage of people who speak Spanish, percentage of non-English, percentage of people who speak English less than “very well”, percentage of people who speak a language other than English, total population, average family size, and finally the amount of African American, and amount of white people. The demographic data was for both census “tract” and “block” level.

This map represents the distribution of the percentage of Latino and Hispanic populations in New Brunswick, at the census block level. This is one of the twelve factors that were combined to create the analysis for Middlesex County. Latino populations are important to understand because of the language barriers that are often created by different speaking language’s. Difficulty can arise at a food pantry when trying to communicate with residents who speak any Spanish. The goal of this map is to provide a visualization to the locations of Hispanic communities, in order to help the food pantry to those areas better communicate with the people they serve.

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