

NYC Deep Dive

2014.11.29 @ VU MIF

Data Sources

- **PIL-NYC-AreaGeometry.csv** - CSV file with area geometries (shape-as-text) for the associated data.
- **PIL-NYC-Dataset.csv** - CSV file with the demographic / statistical data about each AreaGeometry area.
- **PIL-NYC-AreaObjectTotals.csv** - CSV file with the total count of different type of objects (like schools, parks, bus stops and etc.) for each AreaGeometry areas.
- Online **PostGIS DB** for ArcGIS / QGIS users.

Data Sources

- **PIL-NYC-Dataset.csv** data fields for each AreasGeometry area:
 - Area name, title and ID;
 - Total Building Count;
 - Population (count) statistics;
 - Age;
 - Race;
 - Marital Status;
 - Unemployment Rate;
 - Income;
 - Nationality;
 - Household Unit Size (e.g. how many people live in one household);
 - Crime Rate per 1000 capita (different types of crimes);
 - Education Level;
 - Poverty Level;
 - Building age;
 - Rent Gross (in USD per month);
 - Housing Unit Cost (in USD);
 - Building Heating Type

Data Sources

- **PIL-NYC-AreaObjectTotals.csv** data fields for each AreasGeometry area:
 - Afterchool Programs, Airports, Athletic Facilities, Basketball Courts, Bathrooms, Beaches, Bike Tracks, Basketball Courts, Bus Stops, City Benches, Clinics, Coolroofs, Cricket Fields, Culture Places, Dance Venues, Higher Education Institutions, Elementary Schools, Farmers Markets, Filming Locations, Fire Stations, Galleries, Gardens, Golf Courses, Handball Courts, Hicking Tracks, High-schools, Horseback Centres, Hurricane Evacuation Centres, Iceskating, Kayaking, Laundry, Libraries, Medicaid Offices, Middle-schools, Model Aircraft Fields, Museums, Parking, Parks, Playgrounds, Preschools, Rail Stops, Recording Studios, Senior Centres, Skate Parks, Sport Fields, Subways, Tennis Fields, Truck Routes, Visited Places, Wifi Hotspots

Data Sources

- **PostGIS DB:**

- Connection details:
 - Hostname / IP: krg-perf.cloudapp.net / 104.45.7.139
 - Port: 5432
 - Username: hackathon
 - Password: mifnyc
 - Database: hackathon_newyork
 - Schema: newyork
- Each address_ table has a shape column (ArcSDE / ArcGIS type) and geo column (PostGIS geography type). Some tables have the shape value empty.
- Some pre-made views are available with the view_ prefix. Used for map layers with demographic / statistics data in our product.
- ArcGIS can throw errors, because of the geom column presence - if some table will be required, a copy or a view will be done without the geom column. Just ask :-)