

## Data Collection and Organization Methodology

### CRIME DATA:

The Crime Index was constructed by plotting the reporting areas over Census tracts. The Census tracts areas were then used to take into account crime offenses from 2000 to select months of 2007 while keeping Census 2000 population figures as a constant. These rates were categorized by offense over time and by area.

The data was compiled by gathering information from Mr. Nelson Ladue at the Bridgeport Police Department. Mr. Ladue can be reached by calling the department at 203.576.7611.

### PERMITS:

The contact for the permit data is at the City of Bridgeport building department: Kim Rose can be contacted at: 203-576-7225. The original data came by street address so to code the data to neighborhood level we programmed a file in Matlab 7.0 that does an appropriate web query to the U.S. Census Bureau where we obtained the appropriate census tract for the address of the permit issued.

Once the permit was categorized by census tract we were able to assign the issued permit to the neighborhood appropriately. To update this process, use the above contact information to get the more recent data.

### Construction of the Education Index

Education Index data was gathered from the Connecticut Department of Education, under the school profiles list:

<http://www.csde.state.ct.us/public/cedar/profiles/index.htm#go>

By clicking "Regular Education by School" and then "Bridgeport School District", you will find data by school and by year.

After data is compiled for each school, they must be divided by neighborhood, which can be found in figures B1.1 and B1.2 in the baseline report. When creating a neighborhood average, make sure the scores are weighted by the enrollment of each school.

After this is done, you can use the excel file "educationdata.xls" to place the data in the appropriate columns, as denoted by row "A" on sheet "statwindex". Keep in mind that

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the South End is not included in the NDI, as income/housing data was not readily available. Columns I-AC has the imported data, while columns AE-BE has its indexed value.

From there, the index values from the Education Index categories can be pasted from the "statwindex" sheet to "indexstat" sheet in columns C-O. Column P will then calculate the neighborhood's Education Index. The "educindex" sheet has these values for past years laid out neatly over the period.

This value is then incorporated to calculating the NDI by multiplying by 1/3 so the maximum NDI thus sums to 1.