PLUTO YearBuilt Update from Housing Database

Goal: To determine if PLUTO records with a YEARBUILT field of zero may derive their year built from the housing database, if the housing database suggests that a new building has been built.

Result: A query that updates the YEARBUILT field for 67 records. We may wish to exclude three rows from the result set pertaining to Liberty Avenue on Staten Island. There were houses on these lots that were evidently destroyed by Hurricane Sandy, demolished, and not rebuilt. Note that the housing database does not provide information about this demolition.

Process:

1. To identify lots of interest on PLUTO, we select those records with a YEARBUILT field equal to zero, and a NUMBLDGS field equal to 1.
2. The relevant records are then joined to the housing database, where JOB_TYPE equals 'New Building' and JOB_STATUS = 'Complete'. To return the latest information for the 'New Building', we take the maximum year available in the DATE_COMPLETE field.
3. This returned 67 records. Using Cyclomedia, I spot-checked every five or so. This was how I learned about the aforementioned Liberty Avenue properties.
4. Finally, I checked to see if the BBL exists on building footprints. If it does, MPLUTO_BBL will appear on the output report. Otherwise, it is set to null.

Additionally, I have created a report that includes demolitions, if applicable, along with the new building records.

Supporting Documents

SQL Queries used to produce the reports

Same, in a Jupyter Notebook

PLUTO records for update

PLUTO records for update, plus corresponding demolitions, if applicable

Wednesday, March 4, 2020