**High-level pseudocode for producing information**

Before running program: Merge CSV files for all years 2013-2003

In map section of code:

**For each line in file:**

*Remove non-residential building*

**If field three not equal to : “21 OFFICE BUILDINGS “or “22 STORE BUILDINGS” or “ 23 LOFT BUILDINGS” or “25 LUXURY HOTELS” or “26 OTHER HOTELS” or “27 FACTORIES” or “28 COMMERCIAL CONDOS” or “29 COMMERCIAL GARAGES” or “30 WAREHOUSES”**

etc…

*Make sure square feet is listed*

**If field sixteen not equal to 0 or null**

*Calculate price per square foot. (Null checks not included)*

**Value = (field 20)/ (field 16)**

*Key is equal to borough and year. (Null checks not included)*

**Key = “field 1” + “,” + “field 21”**

**Send Key, Value to reducer**

**End for**

In reduce section of code

*Just simply find the average price per square foot*

**For each Key, average values.**

**Output to part file.**

**End for**