## Using the NYC buildings Oil Consumption data, create a google map for New York City as instructed below

* 1. Create a google map for New York City showing buildings that are required to be compliant with green laws. [use field ComplyWithGreenerBuildingsLaws?]
  2. Now to this chart, add color encoding using two categories of primary Fuel [use field PrimaryFuel]. If it uses fuel type 6 (dirty oil) then use red color, if it uses 4 (clean oil) then use color green.
     1. No need to add legend
  3. Now to this chart, add a slider for compliant year deadline [use field ComplianceDate] such that when user moves the slider, it should only show those buildings that need to be compliant in that year
  4. Now to this chart, add a dropdown to allow user to select a building type [use field BuildingType]. Set the default to ‘Walk-Up Apartments’
  5. Be sure to add a title to your chart
  6. Also make sure you have added following tools: hover, pan, reset.
     1. Hover tool should show important information about the building. This includes NaturalGasUtilityCompany, BoilerInstallationDate, BoilerRetirement\_dateEstimated, DuelFuelBoiler?, NumberOfTotalUnits, YearConstructed
  7. Save this file as Q1\_xxx.py where xxx is your first and lastname

# Using the campaign finance data create following visuals:

1. In a new .py file, create a chart to summarize funds (sum, count, mean) raised by different occupations, showing top 10 contributing occupations
   1. Update this program to allow viewer to view contributions over time by selecting recipient name from a dropdown
2. In a new .py file, create a chart with time-series data showing total amount of contributions over time
   1. Update this program to allow viewer to view contributions over time by selecting recipient name from a dropdown
3. In a new .py file create a dropdown that will allow user to select recipient name. Your chart should show total contribution amount for each recipient by contributor type (C\_CODE).
4. Add a slider for AMNT and update the chart created in step 1 to include only the contributions above that amount