Homework 5

Data Visualization 200

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As part of the homework I decided to use the data set from Zillow and a dataset from IRS for 2014. The data sets were extracted from here:

Zillow: <http://files.zillowstatic.com/research/public/Zip/Zip_Zhvi_Summary_AllHomes.csv>

IRS: <https://www.irs.gov/uac/SOI-Tax-Stats-Individual-Income-Tax-Statistics-2013-ZIP-Code-Data-%28SOI%29>

The two data sets were merged by the Zip code field.

I have extracted only income related data from the IRS data set: taxes due at filing, investment income, salary and other income. This reduced the size of the data set. I also renamed zip-code fields in both files to simply ‘Zip’ to simplify data merge.

After was done preparing data to be consumed to Tableau, I combined two data sets into single excel file, keeping data on separate sheets – this simplified data merge. The name of the file is **‘Class Assignment (Zillow - IRS).xlsx’**. The data file can be found in the GitHub repo here: <https://github.com/voite1/UW_Data_Visualization_200/tree/master/week5/homework>.

Once I loaded the file in the Tableau, I used intersection joint to join Zillow and IRS data sets by the common field – Zip.

I have created the following visualization profiling incomes of home buyers based on the Zillow data set:

1. Tax due at filing per Zip Code: <https://public.tableau.com/profile/aleksey.kramer#!/vizhome/TaxDueatFilingPerZipCode/TaxDueatFilingPerZipCode>
2. Taxable Salaries per County: <https://public.tableau.com/profile/aleksey.kramer#!/vizhome/TaxableSalariesPerCounty/TaxableSalariesperCounty>
3. Investment Income by Metro: <https://public.tableau.com/profile/aleksey.kramer#!/vizhome/InvestmentIncomebyMetro/InvestmentIncomebyMetroArea>

Nothing fancy, just show the capabilities of what mashups can do when merging data sets.