SeattleFacts Proposal

The SeattleFacts Website will take after/model USAFacts, a non-partisan website designed to show trends in the US – finance, data, etc. We will focus on how Seattle has changed over the past ten years (2007-2017), with emphasis on comparing this data to other MSA

Comporable MSA/areas could consist of:

* Los Angeles
* 2007-2017 IPUMS
* San Diego
* NA
* San Jose
* NA
* San Francisco
* 2007-2017 IPUMS
* Portland
* 2007-2017 IPUMS
* Fresno
* 2007-2011
* Sacramento
* 2007-2011

The SeattleFacts website proposal will primarily address two areas of interest: People and Housing

We will draw upon three primary datasources:

* AHS – American Housing Survey – This data focuses on **housing**
* We can use data from 2007-2017.
* ACS – American Community Survey. This focuses on **people.**
* We can use data from 2007-2017
* **Accessed through IPUMS!**
* Seattle Internal Data (Data Portal, etc.)
* Used primarily for New/Net Housing units. However, there was a recent change in how permit data was captured in 2017(?), so this data will need oto be double checked.

For People, we will analyze changes over a ten-year period for:

* Population
  + Total population
    - <https://data.wa.gov/Demographics/WAOFM-Census-Population-and-Housing-2000-and-2010/tx5i-i2ja>
    - **MSA Comparables – are we a fast growing city or not?**
  + Population Change
* Race
  + Percent Breakdown
  + Change in diversity
    - Migration of white people into cities
  + City
* Ethnicity
* Household Size
  + Proportion of one person, two person, and three person households.
* Number of Households
  + Do comps – proxy for housing growth.
* Population Pyramid
  + 2010, 2017.
* **Migration/Origin**
  + See “birth” in IPUMS.
  + Born outside of Washington but in the US, International students.
* **Income**
  + See only wage earners
  + Earnings.
  + Distribution
  + Look at the deciles of wage earning
    - By each 10% - how much do they earn?
  + 2007, 2017 - decile chart by hh earnings/income.
  + Median/Mean.
  + Compare MSA/Cities.
* **Poverty**
  + Federal
  + POVERTY – double check!
* **GDP**
  + <https://www.opendatanetwork.com/entity/310M200US42660/Seattle_Metro_Area_WA/economy.gdp.per_capita_gdp?year=2017>
    - * + <https://www.bea.gov/data/gdp/gdp-metropolitan-area>
        + Note: Data ranges from 2012-2017
        + <https://odn.data.socrata.com/dataset/ODN-GDP/mkpy-jf3j>
* <https://www.opendatanetwork.com/entity/310M200US42660/Seattle_Metro_Area_WA/economy.gdp.per_capita_gdp?year=2017>
  + - * + Interested in growth (over last five years)

MSA/Comparables.

* + - * + 2013-2017, one graph.

ACS/check population estimates

Comparisons where its difficult to interpret the figure by itself.

For Housing, we will analyze changes over a ten-year period for:

* Proportion of Renters/Owners
* ACS/AHS
* Amount of Rent Paid as percentage of income.
* ACS
* GRPIP
* Amount of Rent paid
* ~~Rent Payment Methods~~
* **~~I~~Is someone helping you pay? (credit)**
* New/Net Units
* Building permits/ACS (number of households).

NOTE: PGPWT – Microdata – Weight it!

* Microdata, giving us a sample.
* Multiply the sample data by the weight.
* Household vs People variables
* Download Washington in a CSV – maybe.

4-5 PUMAs in seattle. Only useful if aggregrating them across seattle.

Aggregrate on real microdata – PUMS is topcoding and noise, etc.