

### **Mapping Tutorial**

Using Neighborhood Nexus



#### Comparing 100 Metros Using Weave Map: Overview

http://www.weaveatlanta.org/weave.html?file=100Metros.weave

- Map interface that allows users to display and analyze data for 100 largest metropolitan areas in the US
- In addition to maps, tables and charts can be created and modified to display, compare, and analyze data of interest
- Maps, tables, and charts can be printed or exported as an image (.png) or data (.csv) file

# neighborhood Comparing 100 Metros: Available Data

Folder Name	Source	Description		
Building Permits	State of the Cities Data Systems	Total and change in number of building permits issued each year through September of 2010, 2013, 2014, and 2015		
Commuting	American Community Survey (2014)	Number and percentage of worker's commuting by car, truck, or van (alone or carpooling), those working from home, and the average travel time to work for those commuting		
Computer and Internet Usage	American Community Survey (2014)	Number and percentage of people with or without a computer and/or an Internet subscription (dial-up or broadband)		
Educational Attainment	American Community Survey (2014)	Number and percentage of people over 25 years having or having not reached certain levels of educational attainment (high school diploma, bachelors degree, or graduate or professional degree)		
Employment	Bureau of Labor Statistics	Number (in thousands) of people employed for August and September of 2014 and 2015, the difference and percent change in people employed between September 2014 and September 2015, and the national ranking amongst the 100 Metros based on number of jobs added (1=most jobs added)		
Fertility	American Community Survey (2014)	Number and percentage of women (total or unmarried) of child-bearing age (15-50) who gave birth in the past year as well as the number of unmarried women of child-bearing age giving birth per thousand unmarried women		
Foreign Born	American Community Survey (2014)	Number and percentage of foreign born individuals (total and naturalized U.S. citizens)		
Gross Domestic Product	Bureau of Economic Analysis	Value (in millions of 2009 US\$) of all finished goods and services produced in the metro area for 2008 through 2014 as well as the difference an percent change in value for 2008-2014, 2010-2014, and 2012-2014		
Health Insurance	American Community Survey (2013 & 2014)	Number and percentage of individuals (civilian, non-institutionalized) in 2014 with or without health insurance coverage (total, private, or public), those under 18 years of age without coverage (total) in 2014, those with coverage (total) in 2013, and the percentage change in coverage (private or public) from 2013 to 2014		
Home Prices	National Association of Realtors	Median sale price (in thousands of US\$) of single-family housing units for 2012, 2013, 2014, 2014 Q2, and 2015 Q2, and percent change in price from 2014 Q2 to 2015 Q2		

## neighborhood Comparing 100 Metros: Available Data

Folder Name	Source	Description		
Household and Families	American Community Survey (2014)	Number of households (total or that are families), percent that are families, number of families with own children, percent of all households with own children, number of families with children headed by a female, percent of all households with children headed by a single female, and average household and family size		
Housing Characteristics	American Community Survey (2014)	Number and percentage of total housing units built before 1979, built between 1980 and 1999, or built since 2000		
Housing Costs	American Community Survey (2014)	Number and percentage of owner-occupied housing units (with or without mortgage used in calculation), rental units, and total units (both owned and rented) with housing costs (mortgage or gross rent) exceeding 30% of income		
Housing Value	American Community Survey (2014)	Number and percentage of owner-occupied housing units valued less than \$100,000, between \$100,000 and \$200,000, or more than \$200,000		
Income & Poverty	American Community Survey (2014)	Median household income, the number and percentage of households within certain income brackets (less than \$35,000, between \$35,000 and \$74,999, and over \$75,000), and the percent of families and individuals (total, under 18 years old, or 65 years and older) in poverty		
Labor Force	American Community Survey (2014)	Number of individuals 16 years and older in labor force (total or civilian) and percent unemployed		
Linguistic Isolation	American Community Survey (2014)	Number and percent of population 5 years and older who speak English less than "very well"		
Occupations	American Community Survey (2014)	Number and percentage of individuals 16 years and older employed in certain types of occupations (total; management, business, science, and arts; service; sales and office; natural resources, construction, and maintenance; and production, transportation, and material moving)		
Patents	United States Patent and Trademark Office	Total number of patents filed overall and for each year from 2000 to 2013, the change in number of patents filed for 2000-2013 and 2012-2013, and the number patents filed per 100,000 people in 2013		
Population Estimates	United States Census	Estimates of population based on April 1, 2010 U.S. Census for July 1 of 2010, 2011, 2012, 2013, and 2014, and the estimated change in population for 2010-2014 and 2013-2014		
Workers by Type	American Community Survey (2014)	Number and percentage of workers, 16 years and older, who work in private sector, government sector, or are self-employed		
Wages	Bureau of Economic Analysis	Average earnings for 2007, 2010, 2011, 2012, 2013, and 2014, the earnings for 2007 and 2010 (adjusted for inflation), and the change in earnings for 2007-2014 and 2010-2014 (adjusted for inflation)		





#### **Comparing 100 metros: Printing & Saving**



#### Comparing 100 metros: Creating Tables



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- 3. Drag and drop attributes for each column
- 4. Click Ok
- 5. To export table, simply rightclick the table

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	45060	Syracuse, NY Met	Geometry(weave_	661,478	Syracuse, NY Met				
6	46140	Tulsa, OK Metro J	Geometry(weave_	969,224	Tulsa, OK Metro				
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#### **Comparing 100 metros: Creating Scatterplots**

