Using Social Explorer to Help Students Gain Insight

Justin Joque University of Michigan Library

Thursday, July 20, 2017, 3:45pm - 4:45pm time Eastern



A project of the University of Michigan School of Information, U-M Library, and U-M School of Education. This project was made possible in part by the Institute of Museum and Library Services RE 00-00-15-0113-15.



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Where are you from?

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Discuss Census Data Use Social Explorer Discuss Possible Lesson Plans



Why Social Explorer

- Census Data is very complex but also easy to understand
- Students can ask questions about things they know
- Students can learn a lot about data
- Social Explorer makes using and exploring Census Data easy



Exploring Census Data





Census vs Survey

- Decennial Census every 10 years
 Short form and long form until 2010
- American Community Survey
 - replaced the long form
 - available in 1,3,5 year estimates
- We will be exploring the 2000 Census data



Standard Hierarchy of Census Geographic Entities



'FRA

Thinking about Data

What is a family? What is a household? How are they different?



Family Households – A family consists of a householder and one or more other people living in the same household who are related to the householder by birth, marriage, or adoption. All people in a household who are related to the householder are regarded as members of his or her family. A family household may contain people not related to the householder, but those people are not included as part of the householder's family in tabulations. Thus, the number of family households is equal to the number of families, but family households may include more members than do families. A household can contain only one family for purposes of tabulations. Not all households contain families since a household may be comprised of a group of unrelated people or of one person living alone – these are called nonfamily households. Families are classified by type as either a "married-couple family" or "other family" according to the sex of the householder and the presence of relatives. The data on family type are based on answers to questions on sex and relationship that were asked of all people.

- Married-Couple Family A family in which the householder and his or her spouse are listed as members of the same household.
- Other Family:
 - Male Householder, No Wife Present A family with a male householder and no spouse of householder present.
 - Female Householder, No Husband Present A family with a female householder and no spouse of householder present.

Family households and married-couple families do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples. Same-sex couple households are included in the family households category if there is at least one additional person related to the householder by birth or adoption.



CREATING DATA LITERATE STUDENTS

Aggregating Data

Mean - sum of all values divided by the number of values

Median - the middle value



Choosing Data

Social Explorer

| Select a dataset: Social Explorer Tables: ACS 2015 (5-Year Estimates) Select one or more tables and click 'add': T7B. Age - Cumulative (More) T8A. Age (Detailed Version) T8A. Age (Detailed Version) - Cumulative (Less) T8B. Age (Detailed Version) - Cumulative (More) T9. Age for Male Population (Short Version) T11. Age for Male Population (Short Version) T12. Median Age by Sex T13. Race T14. Hispanic or Latino by Race T15. Hispanic or Latino by Specific Origin T16. Asian by Specific Origin (Asian with One Asian Category for Selected Groups) T14. Household by Household Time Abbreviations: AIAN - American Indian and Alaska Native; NHPI - Native Hawaiian and Other Pacific Islander | List Tables | Search by Keyword | Premade Reports | | |
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| | bbreviations: AIAN - Americar | Indian and Alaska Native; NHPI | - Native Hawaiian and Other F | Pacific Islander | |

Current Table Selections:

====== Social Explorer Tables: ACS 2015 (5-Year Estimates) ======= T12. Median Age by Sex



Show results

Maps

Tables

Help

Social Explorer





Game Plan

- Select a variable
- Export the data
- Look at different geographies
- Change breakpoints
- Change colors
- Compare two variables
- Look at a local area

note: for some browsers you will have to use the html5 link

In the Classroom





Explore a Specific Area



Discuss how we Count Things





Make Maps!!



HOW WOUC you teach these ideas?



Recap:

- Census data is confusing but also easy
 Exploring it can
 - tell us a lot about data
- Social Explorer is fun

Questions?

Justin Joque

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Please take the evaluation (link in chat) to be entered for door prizes!

