

LODES, OnTheMap, and Emergency Management: Advanced Topics

LED Partnership Workshop
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U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

Training Outline

- OnTheMap: Advanced Analyses
- OnTheMap: Selecting Geographies
- LODES: Understanding the Block Crosswalk
- OnTheMap for Emergency Management:
Using New Features in Version 4

Key Training Concepts

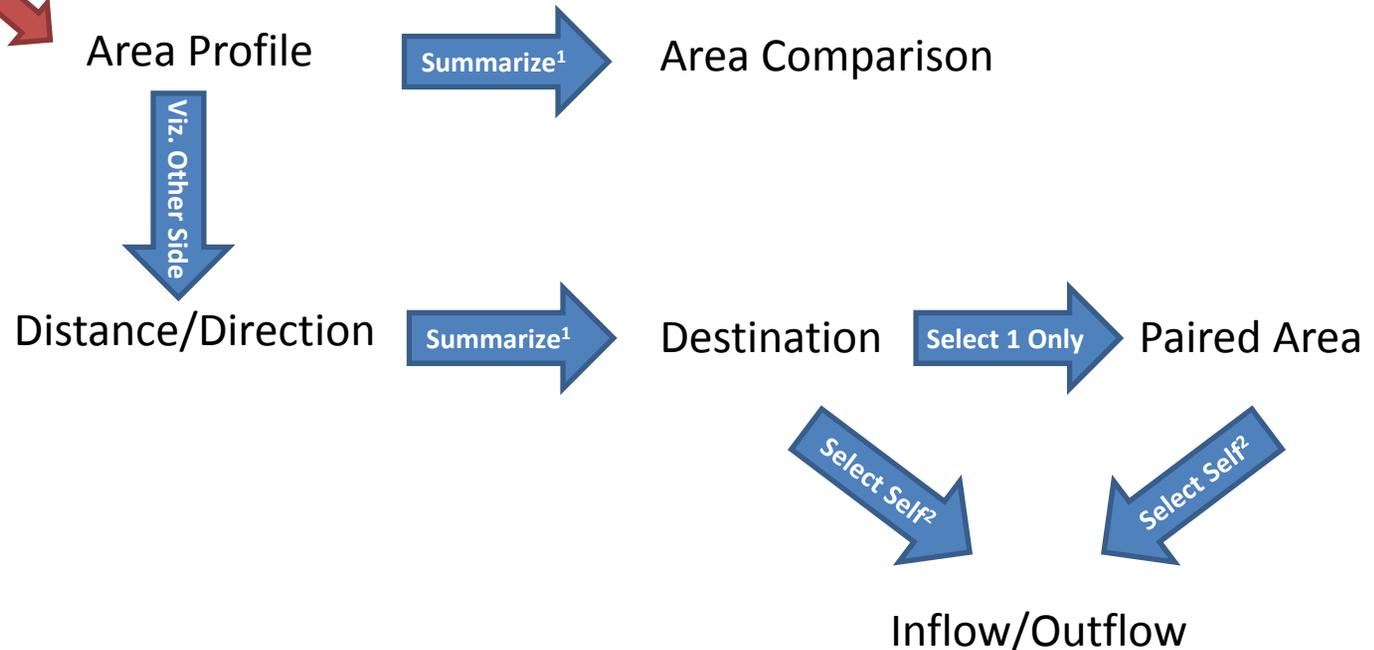
- The information are out there.
- Use begets understanding.
- Don't throw away this presentation!

OnTheMap: Advanced Analyses

Choose Jobs:

1. Select Area
2. Home or Work
3. Year
4. Job Type

This is not a proposed work flow.



Notes:

1. We can only summarize on “standard” geographies.
2. By selecting “self” as the Destination/Paired Area, we also release the constraint of treating the selection area as only home or work and so include additional jobs in the analysis.

Live Demos

- <http://onthemap.ces.census.gov/>

OnTheMap: Selecting Geographies

- Start with a point or set of points (line, polygon) – whether hand-drawn or imported.
- Choice:
 - Select existing census geography (or not)
 - and
 - Buffer in some way (or not)
- Get the census blocks that are inside.

Live Demos

- <http://onthemap.ces.census.gov/>

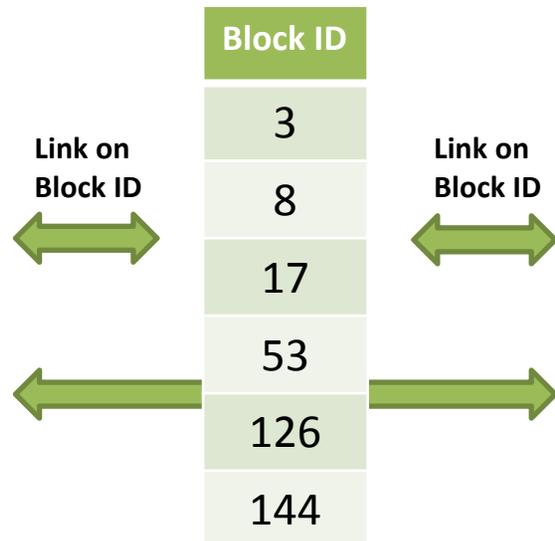
LODES: Understanding the Block Crosswalk

Link with Preselected Blocks or Link Data to Crosswalk and Subset Later

Raw Data Files

Block ID	Data Fields...
1	
2	
3	
4	
5	
6	

Your Selection



Block Crosswalk

Block ID	County	Place	Cong. District	Other Geos...
1	A	X	14	
2	A	Y	14	
3	A	X	14	
4	B	Y	15	
5	B	Z	15	
6	C	Z	15	

Problems from *Not* Using the Block Crosswalk

- Don't get current/correct/official geographies
- Count mismatch with OnTheMap
- Core issue:

Block ID	County
010330206004043	01033
010330206004044	01033
010330207011000	01077
010330207011001	01033
010330207011002	01033



This block is properly in Lauderdale County, Alabama (01077) even though its Block ID suggests that it is in Colbert County (01033).

Browsing the Data

- <http://lehd.ces.census.gov/data/lodes/>
- Make sure to get the LODES7 technical doc!

OnTheMap for Emergency Management

- Version 4 Updates/Changes
 - Revamped user interface
 - More consistent dashboard/data interaction
 - Add ACS 5-year data

Live Demos

- <http://onthemap.ces.census.gov/em.html>
- Example Events:
 - Hurricane Arthur
 - DR-4166 (South Carolina)
 - Bastrop County Complex Fire (Texas)

Where to get HELP!

- OnTheMap
 - <http://lehd.ces.census.gov/applications/help/onthemap.html>
 - Particularly the Tutorials section
- LODES
 - <http://lehd.ces.census.gov/data/lodes/LODES7/LODESTechDoc7.0.pdf>
- OnTheMap for Emergency Management
 - http://lehd.ces.census.gov/led/datatools/onthemap_em.html
- Email
 - CES.OnTheMap.Feedback@census.gov
- Listserv (mostly announcements; moderated for spam)
 - <http://lists.census.gov/mailman/listinfo/lehd-onthemap>