LED Enhancements

LED Extraction Tool, QWI Schema Restructuring, and QWI Explorer

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Goals for QWI2 Project

• Provide access points to the Quarterly Workforce Indicators (QWI) data for a wide variety of users and uses
• Replace QWI Online with easy-to-use interactive mapping and charting analysis tool
• Improve/simplify QWI data schema and our help/best practices documentation
Dissemination Tool Design

- Create simple and clean interfaces
- Let the characteristics of the data drive users’ progression through the application
- Provide clear path through the application, but enable detours and roaming as users explore the data and tool
- Make contextual help and documentation readily available

<table>
<thead>
<tr>
<th>Employment</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Emp</strong></td>
<td>Estimate of the total number of jobs on the first day of the reference quarter. Beginning-of-quarter employment counts are similar to point-in-time employment measures, such as the QCEW (see <a href="http://www.bls.gov/cqw">www.bls.gov/cqw</a>).</td>
</tr>
<tr>
<td><strong>EmpEnd</strong></td>
<td>Estimate of the number of jobs on the last day of the quarter.</td>
</tr>
<tr>
<td><strong>EmpS</strong></td>
<td>Estimate of stable jobs, i.e., the number of jobs that are held on both the first and last day of the quarter with the same employer. This is often, but not necessarily, the same as being employed for a full quarter (e.g., an on-call substitute teacher may have earnings in each of three consecutive quarters, but intermittently).</td>
</tr>
<tr>
<td><strong>EmpTotal</strong></td>
<td>This is a count of people employed in a firm at any time during the quarter. It is not a count of jobs. This measure may also be referred to as “flow” employment.</td>
</tr>
</tbody>
</table>
LED Extraction Tool

- New access point for raw data products created through the Local Employment Dynamics Partnership
- Beta release makes Quarterly Workforce Indicators (QWI) available (LODES data coming in 2014)
- Streamlined interface allows users to select the exact columns and rows desired
- Raw data outputs (no maps, charts, or formatted tables)
Why Build A Data Extraction Tool?

• Feedback from users!
• Make entire set of QWIs available (and soon entire set of LODES data) in an simple query-building interface
• Remove barriers to entry (due to the raw data’s size and complexity)
• Enable wide variety of queries – single cell, clusters of industries/geographies, or full longitudinal history
• Broaden the user base for LED data products

<table>
<thead>
<tr>
<th>Industry Detail Level</th>
<th>Firm Ownership</th>
<th>Firm Age</th>
<th>Firm Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAICS Sectors</td>
<td>All</td>
<td>All Firm Ages</td>
<td>All Firm Sizes</td>
</tr>
<tr>
<td>NAICS 3-digit Subsectors</td>
<td>All Private</td>
<td>0-1 Years</td>
<td>0-19 Employees</td>
</tr>
<tr>
<td>NAICS 4-digit Industries</td>
<td></td>
<td>2-3 Years</td>
<td>20-49 Employees</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4-9 Years</td>
<td>50-249 Employees</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6-10 Years</td>
<td>250-499 Employees</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11+ Years</td>
<td>500+ Employees</td>
</tr>
</tbody>
</table>

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
QWI Explorer

- Replacement for QWI Online
- Interactive analysis tool making QWIs available in thematic maps, charts (line and bar) and tables
- Easy-to-use interface will make exploring the complexities of the data simple and fun
- As with OnTheMap, a variety of flexible and visually compelling exports will be available.
QWIPU Data Schema Changes

- Geography and Industry codes now conform to Census standards (for simple data joining)
- Race and Ethnicity codes now conform to Census (and OnTheMap) standards
- Labels have been dropped to save space
- Consistent file layout across all data tables

Alaska’s Denali County
- old geography code: C0206800000
- new geography code: C 02068

Utilities NAICS Sector
- old industry code: A00000C
- new industry code: S 11
Live Demo!
Tentative Release Schedule

July 2013 – Release of R2013Q2 QWIs in LED Extraction Tool (new set of 32 indicators)

December 2013 – Release Beta Version of QWI Explorer

Early 2014 – Release LODES data in LED Extraction Tool

Late 2014 – QWI Rankings, QWI Aggregations?
Thank You!

- Please submit feedback to CES.QWI.Feedback@census.gov