

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



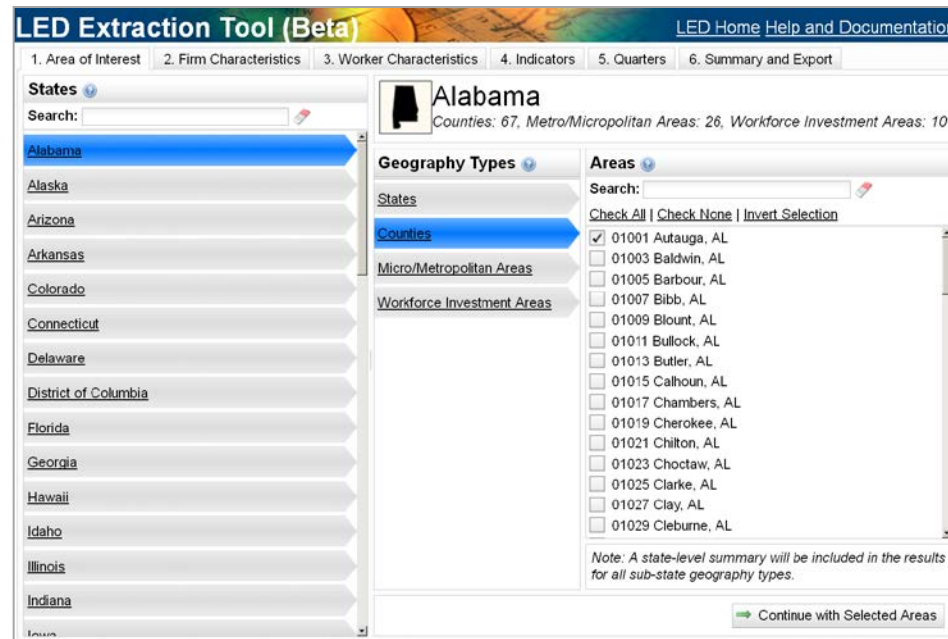
Dissemination Tool Design

- 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

↓ Employment ⓘ	
<input checked="" type="checkbox"/> Emp Beginning of Quarter Employment: Counts	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: www.bls.gov/cew/).
<input type="checkbox"/> EmpEnd End of Quarter Employment: Counts	Estimate of the number of jobs on the last day of the quarter.
<input type="checkbox"/> EmpS Full-Quarter Employment (Stable): Counts	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).
<input type="checkbox"/> EmpTotal Employment - Reference Quarter: Counts	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.

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)



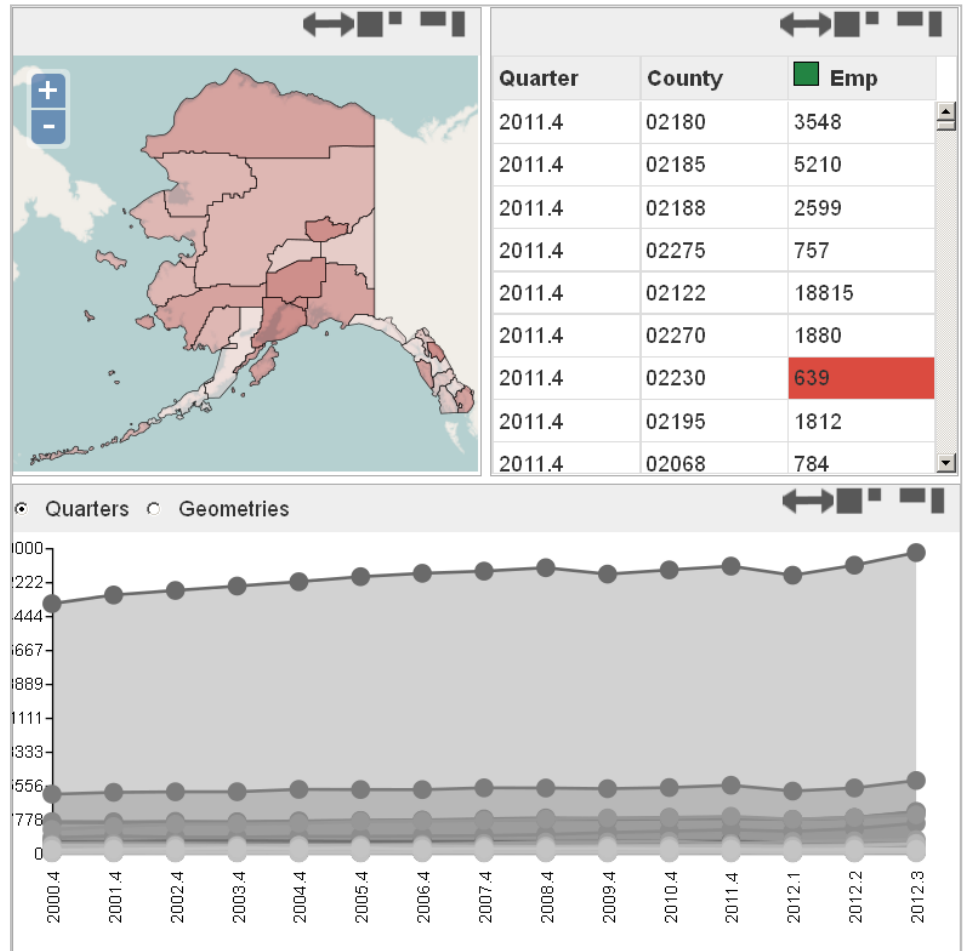
Why Build A Data Extraction Tool?

- Feedback from users!
- Make entire set of QWIs available (and soon entire set of LODS 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

Industry Detail Level	Firm Ownership	Firm Age	Firm Size
<input checked="" type="radio"/> NAICS Sectors <input type="radio"/> NAICS 3-digit Subsectors <input type="radio"/> NAICS 4-digit Industries	<input checked="" type="radio"/> All <input type="radio"/> All Private	<input checked="" type="checkbox"/> All Firm Ages <input type="checkbox"/> 0-1 Years <input type="checkbox"/> 2-3 Years <input type="checkbox"/> 4-5 Years <input type="checkbox"/> 6-10 Years <input type="checkbox"/> 11+ Years	<input checked="" type="checkbox"/> All Firm Sizes <input type="checkbox"/> 0-19 Employees <input type="checkbox"/> 20-49 Employees <input type="checkbox"/> 50-249 Employees <input type="checkbox"/> 250-499 Employees <input type="checkbox"/> 500+ Employees

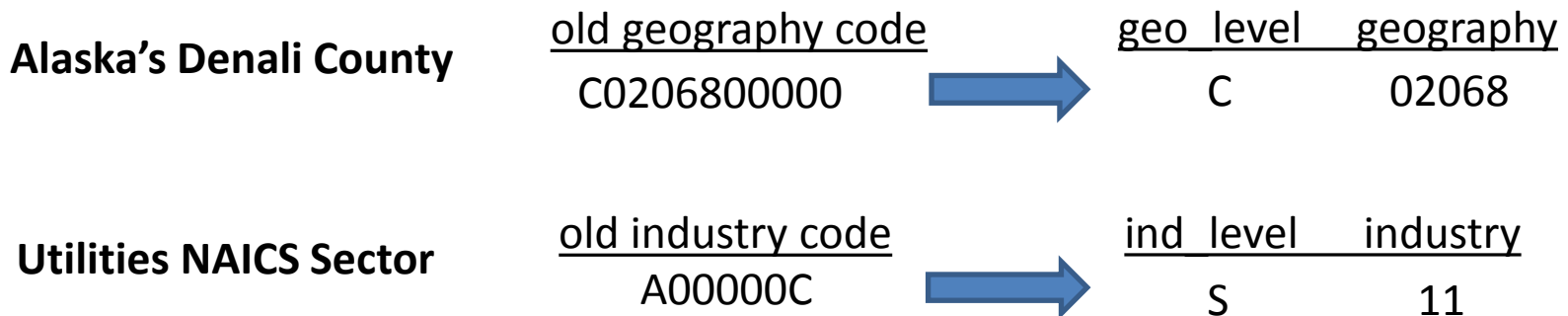
QWI Explorer

- 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



Live Demo!

LED Extraction Tool (Beta) [LED Home](#) [Help and Documentation](#)

1. Area of Interest | 2. Firm Characteristics | 3. Worker Characteristics | 4. Indicators | 5. Quarters | 6. Summary and Export

States

Search:

- Alabama**
- Alaska
- Arizona
- Arkansas
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida
- Georgia
- Hawaii
- Idaho
- Illinois
- Indiana

Alabama
Counties: 67, Metro/Micropolitan Areas: 26, Workforce Investment Areas: 10

Geography Types

- States
- Counties**
- Micro/Metropolitan Areas
- Workforce Investment Areas

Areas

Search:

[Check All](#) | [Check None](#) | [Invert Selection](#)

- 01001 Autauga, AL
- 01003 Baldwin, AL
- 01005 Barbour, AL
- 01007 Bibb, AL
- 01009 Blount, AL
- 01011 Bullock, AL
- 01013 Butler, AL
- 01015 Calhoun, AL
- 01017 Chambers, AL
- 01019 Cherokee, AL
- 01021 Chilton, AL
- 01023 Choctaw, AL
- 01025 Clarke, AL
- 01027 Clay, AL
- 01029 Cleburne, AL

Note: A state-level summary will be included in the results for all sub-state geography types.

[Continue with Selected Areas](#)

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