Innovations in Federal Statistics:
New Views on Regions

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George Washington Institute of Public Policy
George Washington University

Understanding, Using, and Maximizing New Federal Data
IEDC 2011 Federal Economic Development Forum

March 20, 2011

Innovations in Federal Statistics

- Context

- Census Bureau

- Bureau of Economic Analysis

- Economic Development Administration

- National Science Foundation

- National Center for Education Statistics

- Employment and Training Administration

- Bureau of Labor Statistics

Innovations in Federal Statistics: Context

- Bottom-up economic policy
  - White House: "Winning the Future"
  - Commerce: competitiveness, innovation
  - Labor: skills development

- IT advances
  - Administrative records
  - User data access and manipulation

- Federal budget situation

Census Bureau: 2010 Census

- Demographic Profile (May 2011)
- Summary File 1 (Summer 2011)
- Summary File 2 (Dec 2011 – April 2012)
- Summary Population and Housing Reports (May – Dec 2012)
- Urban/Rural Update (October 2012)
- Population and Housing Unit Counts Report Series (April – Sept 2013)
- Redefined Core-Based Statistical Areas (Summer 2013)

Census Bureau

- **American Community Survey**
  - Five-Year estimates (Dec 2010)
  - Increased sample size $\rightarrow$ increased reliability
  - H.R. 931 $\rightarrow$ reduced reliability

- American FactFinder Upgrade

- Business Dynamic Statistics

- Housing Price Index

Census Bureau

- American Community Survey

- **American FactFinder Upgrade**

- Business Dynamic Statistics

- Housing Price Index

# New Table and Mapping Features Available January 2011

Table Features:

- Customize table views
- Sort and filter columns of a table
- Transpose rows and columns
- Save customized tables

Mapping Features:

- Select geographies from the map
- Create maps from a table
- Place labels and markers on maps
- Download maps as PDFs

Preview the new American FactFinder
in the fall of 2010, and subscribe
to get the latest updates at
factfinder.census.gov.
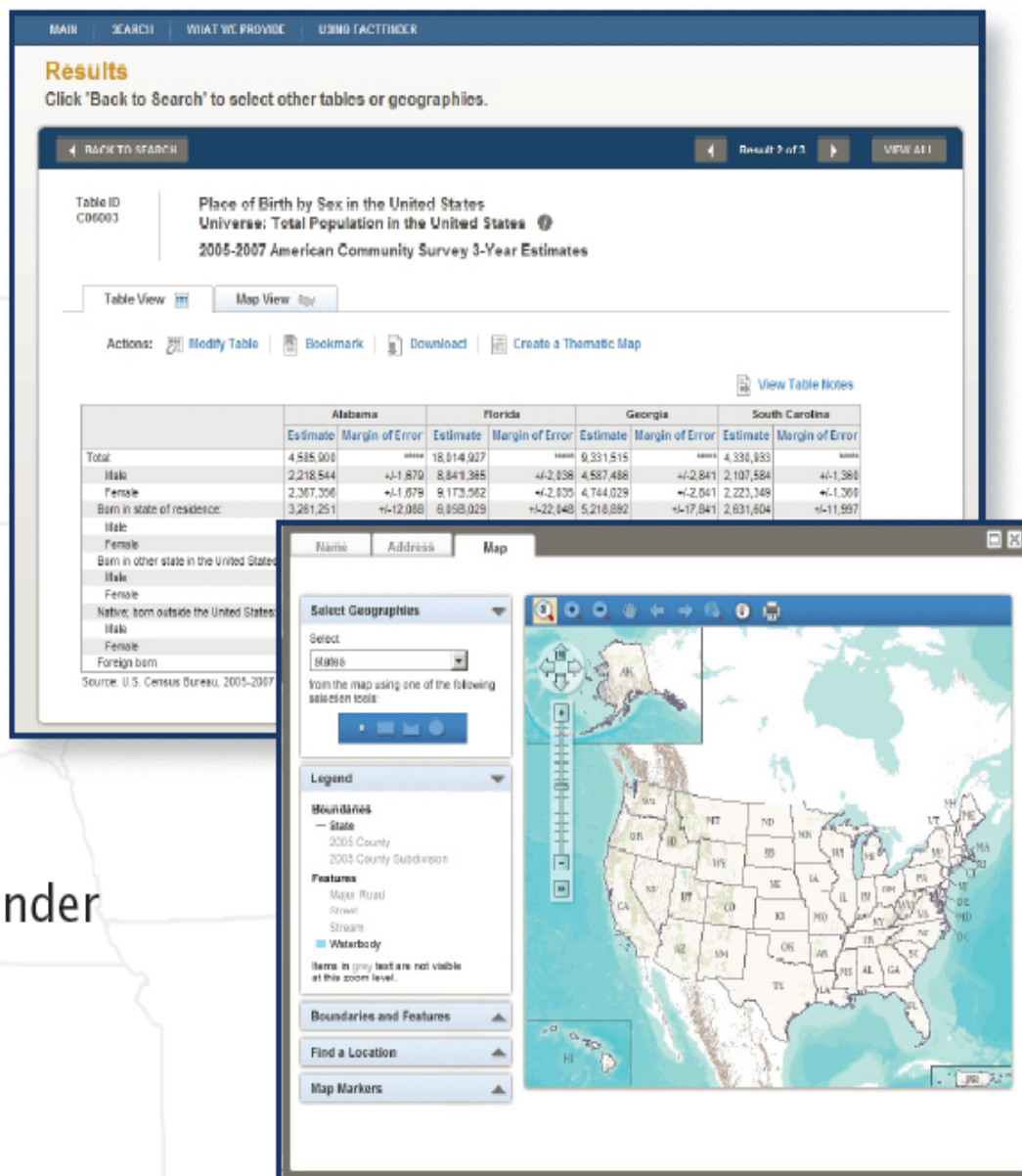
Census Bureau: ACS, AFF, BDS, Housing Price Index

- American Community Survey

- American FactFinder Upgrade

- **Business Dynamic Statistics**

- Housing Price Index

Page ▾ | Safety ▾ | Tools

You are here: Census.gov › Business & Industry › Center for Economic Studies › Data Visualization › Interactive Bar Charts › Compare Data by State

Center for Economic Studies | Lc

| Home | Data Visualization | BDS Overview | BDS Statistical Briefs | BDS Publications | BDS FAQ | BDS Database List |

- Interactive Thematic Map
- Interactive Bar Charts
- Compare Sectors
- Compare States
- Compare Data by Sector
- Compare Data by State
- Interactive Time Series
- Compare States
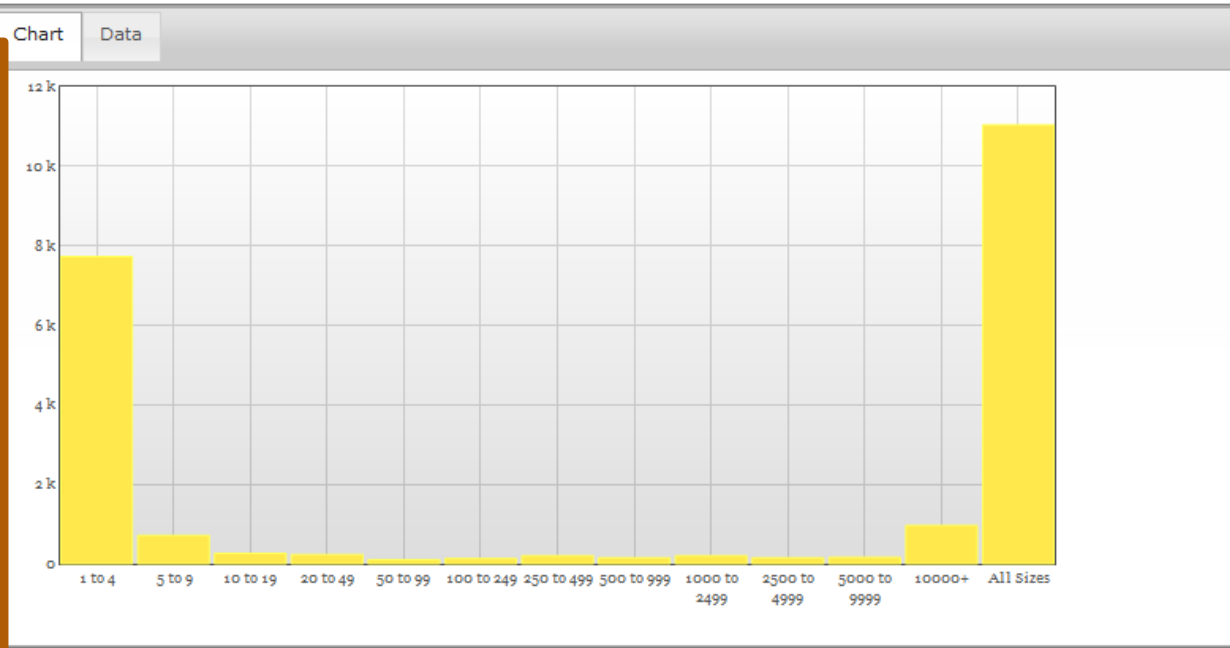- Compare Sectors

Useful Links

- Main CES Page
- Census Home Page
- Data Protection Policy
- Economist Positions
- LEHD

Contact Information

E-mail
Call us: (301) 763-6460

Further contact information

**INDIANA
By Firm Size
For 2009**

Establishment Entry
Establishment Entry Rate
Establishment Exit
Establishment Exit Rate
Gross Job Creation Rate
Gross Job Destruction Rate
Job Creation Rate: Establishment Openings
Job Destruction Rate: Establishment Shutdowns
Job Reallocation Rate
Jobs Created
Jobs Created: Continuing Establishments
Jobs Created: Opening

Chart | Data

12 k

10 k

8 k

6 k

4 k

2 k

0
1 to 4   5 to 9   10 to 19   20 to 49   50 to 99   100 to 249   250 to 499   500 to 999   1000 to 2499   2500 to 4999   5000 to 9999   10000+   All Sizes

Year:

X Axis: ○ Firm Age (years)   ● Firm Size (employees)   ○ Initial Firm Size (employees)

Y Axis: INDIANA ▾

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Census Bureau

- American Community Survey

- American FactFinder Upgrade

- Business Dynamic Statistics

- **Housing Price Index**
  - COL factor for Supplemental Poverty Measure
  - ACS-based

Table 1. Two Adult/Two Child Thresholds by Metro Area and Adjustment Index: 2008

	Two Adult/Two Child Threshold Using Triple Index			Two Adult/Two Child Threshold Using Rent Index		
	Owners with Mortgage	Owners Free and Clear	Renters	Owners with Mortgage	Owners Free and Clear	Renters
National Average from CE Data	25,522	20,426	24,880	25,522	20,426	24,880
ALABAMA Metro	20,615	17,841	21,446	21,935	18,030	21,446
ALABAMA Nonmetro	20,743	17,841	20,060	20,487	17,063	20,060
Anniston-Oxford, AL	20,551	17,439	21,090	21,563	17,781	21,090
Birmingham-Hoover, AL	22,255	18,475	22,967	23,523	19,091	22,967
Decatur, Al	20,897	18,004	20,538	20,987	17,396	20,538
Florence, AL	19,949	17,722	20,562	21,012	17,413	20,562
Huntsville, AL	21,127	18,004	21,752	22,255	18,244	21,752
Mobile, AL	21,742	18,543	22,476	23,011	18,749	22,476
Montgomery, AL	21,307	18,244	22,709	23,254	18,911	22,709
Tuscaloosa, AL	21,845	18,449	22,795	23,344	18,971	22,795
ALASKA Metro	27,854	23,576	27,309	28,059	22,121	27,309
ALASKA Nonmetro	26,739	21,718	26,916	27,649	21,847	26,916
ARIZONA Metro	22,883	18,381	24,218	24,830	19,964	24,218
ARIZONA Nonmetro	22,140	17,585	22,083	22,601	18,475	22,083
Phoenix-Mesa-Scottsdale, AZ	24,920	19,887	25,493	26,163	20,854	25,493
Prescott, AZ	24,292	19,014	24,414	25,035	20,101	24,414
Tucson, AZ	23,767	19,553	24,205	24,817	19,955	24,205
ARKANSAS Metro	20,448	18,167	21,286	21,768	17,918	21,286
ARKANSAS Nonmetro	19,782	17,722	20,244	20,679	17,191	20,244
Fayetteville-Springdale-Rogers, AR-MO	22,152	18,149	22,439	22,972	18,723	22,439
Fort Smith, AR-OK	20,346	17,790	21,225	21,704	17,876	21,225
Little Rock-North Little Rock, AR	21,537	18,500	22,832	23,382	18,997	22,832

Census Bureau: Local Employment Dynamics

- **National program (50 states + DC)**

- New data elements

- Worker Profile Tool

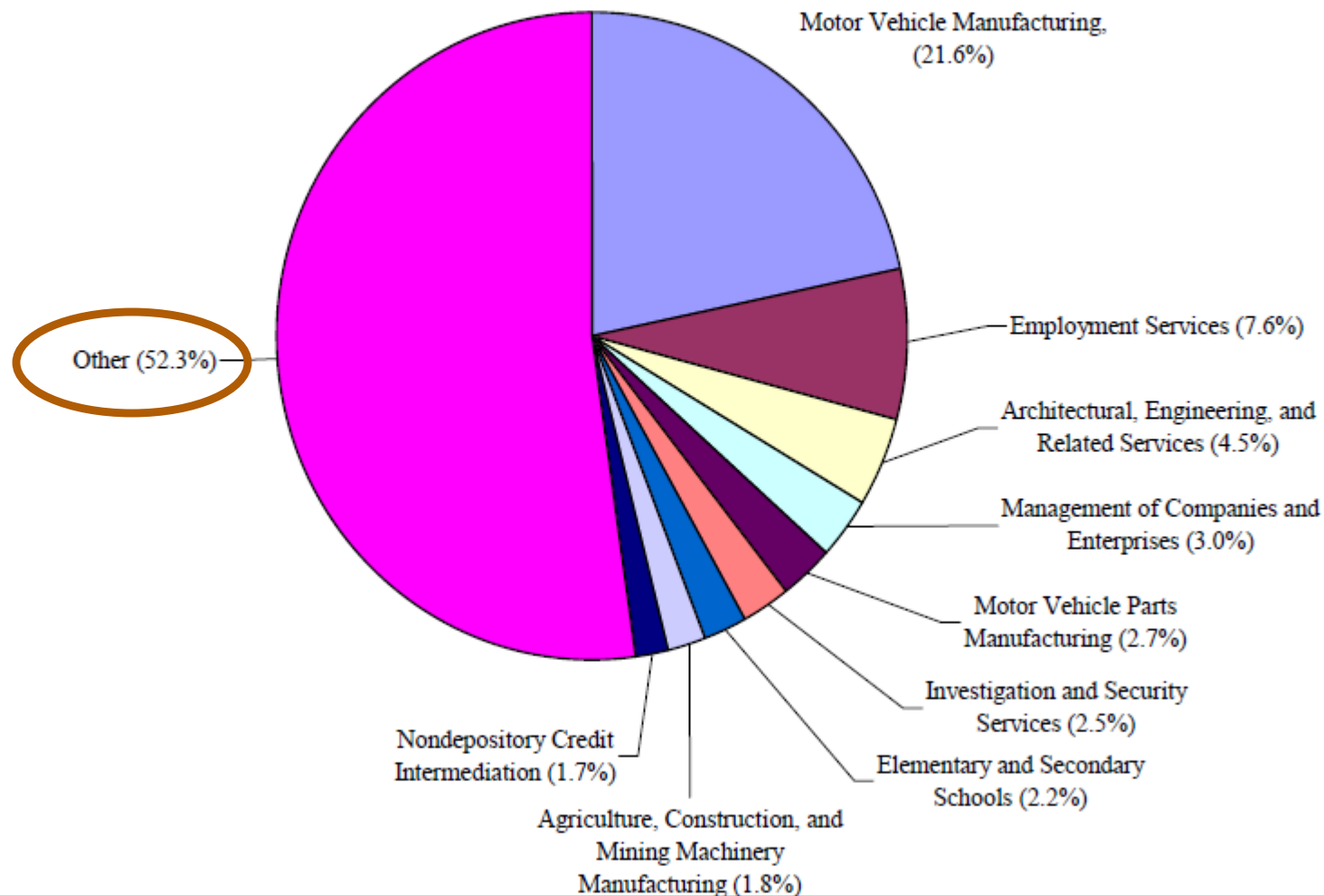- Data visualization

- OnTheMap upgrades

Census Bureau: Local Employment Dynamics

- National program (50 states + DC)
- **New data elements**
  - **Federal and self-employed**
  - **Firm age and size**
  - **Race, ethnicity, and education**
- Worker Profile Tool
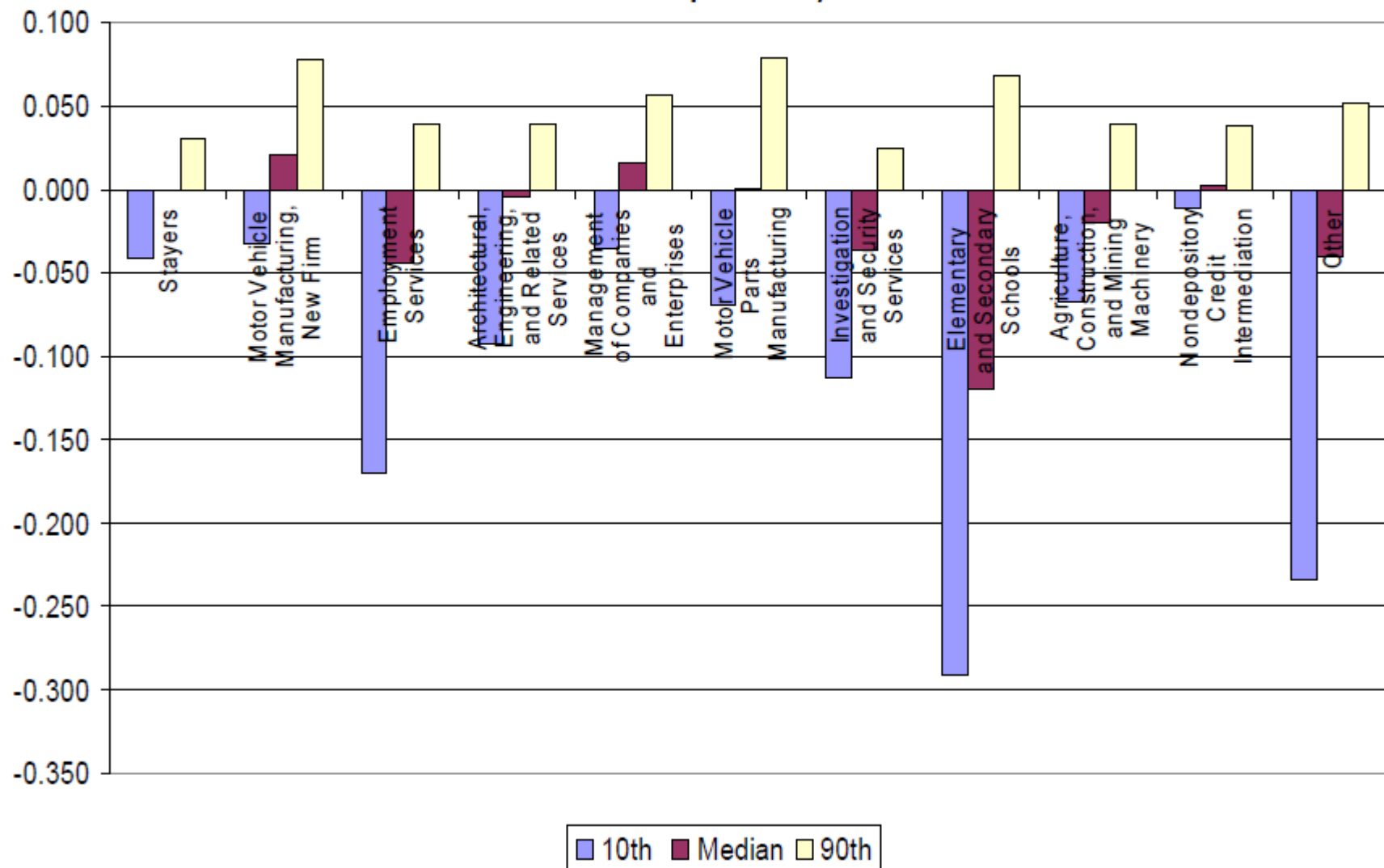- Data visualization
- OnTheMap upgrades

Census Bureau: Local Employment Dynamics

- National program (50 states + DC)

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- **Worker Profile Tool**

- Data visualization

- OnTheMap upgrades

Top 10 Destination NAICS for Motor Vehicle Manufacturing (NAICS 3361),
Four Quarters After Job Loss

Motor Vehicle Manufacturing, (21.6%)

Employment Services (7.6%)

Architectural, Engineering, and Related Services (4.5%)

Management of Companies and Enterprises (3.0%)

Motor Vehicle Parts Manufacturing (2.7%)

Investigation and Security Services (2.5%)

Elementary and Secondary Schools (2.2%)

Agriculture, Construction, and Mining Machinery Manufacturing (1.8%)

Nondepository Credit Intermediation (1.7%)

Other (52.3%)

Distribution of Earnings Changes for Stayers vs. Separators that Changed Firms in Motor Vehicle Manufacturing (NAICS 3361) (4-quarters after separation)

Census Bureau: Local Employment Dynamics

- National program (50 states + DC)

- Planned data additions

- Worker Profile Tool

- **Data visualization**

  - **IBM Many Eyes**

  - **Google Public Data Explorer**

- OnTheMap upgrades

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.S. Census Bureau - Longitudinal Employer-Hou...   Page ▼   Safet

U.S. Census Bureau

Local Employment Dynamics   All About Jobs

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CED HotReports | QWI Online | OnTheMap | Industry Focus | Case Studies and Examples | Data Visualization

Many Eyes on Local Employment Dynamics: Beginning of Quarter Employment

The LED Many Eyes service uses the Quarterly Workforce Indicators (QWI) data. The data can be viewed in accessible tables in conformance with Section 508 regulations by clicking the **view data** link in the lower right hand corner of the graph. It can be directly downloaded from the Cornell Virtual RDC.

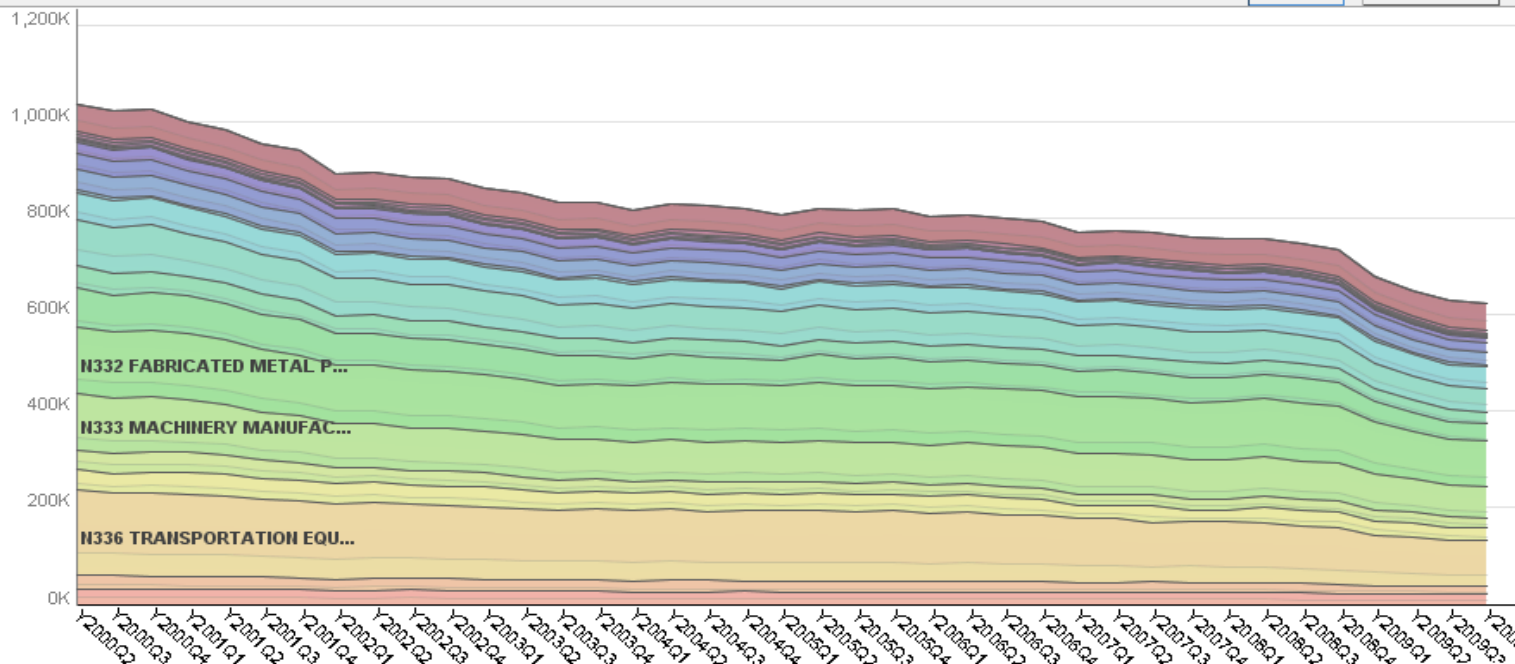Ohio ▼   Query   Hom

Stack Hierarchy (Drag to Reorder) | NAICSSEC | NAICS3 | Sex | Agegroup   Sort: labels ▲   data order

All (1456)
⊞ N11 Agriculture (80)
⊞ N21 Mining (48)
⊞ N22 Utilities (16)
⊞ N23 Construction (48)
⊟ N31-33 Manufacturing
  ⊞ N311 Food Manufac
  ⊞ N312 Beverage and
  ⊞ N313 Textile Mills
  ⊞ N314 Textile Produc
  ⊞ N315 Apparel Manu
  ⊞ N316 Leather and A
  ⊞ N321 Wood Product
  ⊞ N322 Paper Manufa
  ⊞ N323 Printing and R
  ⊞ N324 Petroleum and
  ⊞ N325 Chemical Man
  ⊞ N326 Plastics and R
  ⊞ N327 Nonmetallic Mi
  ⊞ N331 Primary Metal
  ⊞ N332 Fabricated Me
  ⊞ N333 Machinery Ma
  ⊞ N334 Computer and
  ⊞ N335 Electrical Equip
  ⊞ N336 Transportatior
  ⊞ N337 Furniture and

Graph y-axis: 1,200K, 1,000K, 800K, 600K, 400K, 200K, 0K

N332 FABRICATED METAL P...

N333 MACHINERY MANUFAC...

N336 TRANSPORTATION EQU...

Click or ctrl-click to highlight points on graph.

☐ Percentage

⊞ View Data: Beginning of Quarter Employment (B) for Ohio(NAICS3)

Stack graphs are built from the Beginning of Quarter Employment for each sex and age group within the 3-digit NAICS categories in the statewide LED data, as reported on QWI Online. Due to rounding and cell suppression applied at this level, the employment at higher levels of aggregation, such as total employment for 3-digit NAICS industries or within the 2-digit NAICS sector, may differ from employment reported on QWI Online.

Google public data explorer
labs

Local Employment Dynamics for the State of Maine

US Census LED Quarterly Workforce Indicator report. Prepared by the US Census Bureau LED Program/Google based on data downloaded from the US Census Bureau LED Program.

Data from U.S. Census Bureau LED Program - Last updated: Jan 11, 2011

Data

A1 - Beginning of Quarter Employment:Counts - 〜 - ||| - ⁘

A2 - End of Quarter Employment:Counts - 〜 - ||| - ⁘

A3 - Full-Quarter Employment(Stable):Counts - 〜 - ||| - ⁘

A4 - Employment - Reference Quarter:Counts - 〜 - ||| - ⁘

B1 - Hires All:Counts - 〜 - ||| - ⁘

B2 - Hires New:Counts - 〜 - ||| - ⁘

B3 - Hires Recalls:Counts - 〜 - ||| - ⁘

B4 - Separations:Counts - 〜 - ||| - ⁘

B5 - Hires All (Stable):Counts - 〜 - ||| - ⁘

B6 - Hires New (Stable):Counts - 〜 - ||| - ⁘

B7 - Separations (Stable):Counts - 〜 - ||| - ⁘

B8 - Turnover (Stable):Ratio - 〜 - ||| - ⁘

C1 - Firm Job Gains:Counts - 〜 - ||| - ⁘

C2 - Firm Job Loss:Counts - 〜 - ||| - ⁘

C3 - Firm Job Change:Net Change - 〜 - ||| - ⁘

C4 - Firm Job Gains (Stable):Counts - 〜 - ||| - ⁘

C5 - Firm Job Loss (Stable):Counts - 〜 - ||| - ⁘

C6 - Firm Job Change (Stable):Net Change - 〜 - ||| - ⁘

D1 - Full-Quarter Employment (Stable): Average Monthly Earnings - 〜 - ||| - ⁘

D2 - End of Quarter Employment: Average Monthly Earnings - 〜 - ||| - ⁘

D3 - Hires All (Stable): Average Monthly Earnings - 〜 - ||| - ⁘

D4 - Hires New (Stable): Average Monthly Earnings - 〜 - ||| - ⁘

D5 - Separations (Stable): Average Monthly Earnings - 〜 - ||| - ⁘

D6 - Hires All: Average Change-in Monthly Earnings - 〜 - ||| - ⁘

http://www.google.com/publicdata/explore?ds=z2bmoebh3hnqfl_&ctype=l&strail=false&nselm=h&met_y=HirNS&hl=en&dl=en

Traci Renwick Census

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Local Employment Dynamics for the State of Maine › Visualization

Link

Compare
Location

B6 - Hires New (Stable):Counts

Select what to compare

Age Group
Gender
Industry
Location
Location
Location

Location

County, Census

OK   Cancel

Somerset
Waldo
Washington
York

Clear selections

Data from: U.S. Census Bureau LED Program
Last updated: Jan 11, 2011

Maine
28,141
Dec 2009

25,000

20,000

15,000

10,000

5,000

0

1998   1999   2000   2001   2002   2003   2004   2005   2006   2007   2008   Dec 2009

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3/18/2011

Census Bureau: Local Employment Dynamics

- National program (50 states + DC)
- Planned data additions
- Worker Profile Tool
- Data visualization
- **OnTheMap upgrades**
  - **OTM 5+6**
  - **OTM Mobile**
  - **OTM for Congress**

Bureau of Economic Analysis: Plans

- Impact of R&D as an investment on GDP by state and metro

- Real state personal consumption expenditures

- Interarea price indices

Table 4. Regional Price Parities for the United States, 2005

Area	Compensation of Employees (Millions of dollars)		RPP	Per capita Personal Income (Dollars)		Per capita GDP (Dollars)	
	National Prices	At RPPs		National Prices	At RPPs	National Prices	At RPP
United States	7,009,477	7,009,477	100	34,757	34,757	41,815	41,8
Alabama	87,392	112,596	77.6	29,306	34,858	33,338	38,8!
Alaska	17,943	17,432	102.9	36,261	35,497	58,849	58,0!
Arizona	121,606	126,539	96.1	30,386	31,215	35,670	36,4!
Arkansas	48,083	62,179	77.3	26,989	32,074	31,385	36,4?
California	917,796	721,713	127.2	37,462	32,013	44,911	39,4(
Colorado	119,624	122,236	97.9	37,600	38,159	45,860	46,4?
Connecticut	111,109	89,307	124.4	47,943	41,689	55,499	49,2?
Delaware	24,188	24,171	100.1	37,083	37,062	67,492	67,4?
District of Columbia	61,399	57,589	106.6	54,371	47,825	141,960	135,4?
Florida	369,760	378,764	97.6	34,798	35,306	37,587	38,0!
Georgia	203,353	228,709	88.9	31,193	33,977	39,347	42,1?
Hawaii	32,501	25,338	128.3	34,935	29,285	43,210	37,5(
Idaho	25,284	30,574	82.7	28,301	32,012	32,184	35,8!
Illinois	325,423	318,071	102.3	36,489	35,911	43,681	43,1(
Indiana	133,518	153,109	87.2	30,900	34,032	37,774	40,9(
Iowa	62,642	74,663	83.9	31,535	35,602	39,801	43,8(
Kansas	59,880	71,553	83.7	32,709	36,966	38,381	42,6?
Kentucky	81,634	100,434	81.3	28,387	32,894	33,233	37,4?
Louisiana	82,844	103,833	79.8	24,901	29,570	40,113	44,7?
Maine	25,716	27,719	92.8	30,952	32,479	34,221	35,7?
Maryland	148,152	140,126	105.7	41,657	40,217	43,862	42,4?
Massachusetts	200,901	165,562	121.3	43,612	38,115	49,781	44,2?
Michigan	229,755	242,671	94.7	32,694	33,972	36,817	38,0!

EDA: Clusters Mapping Project

- Components
  - Map of U.S. cluster activity
  - Directory of cluster initiatives
  - Research on role of clusters, initiatives
- Partners
  - National—Harvard Business School, MIT Entrepreneurship Center, Temple U.
  - Regional—U. MN, MA Tech Collaborative, OR Business Council, SC Council on Competitiveness

National Center for Science and Engineering Statistics

- Business R&D and Innovation Survey
  - Firm as product, process innovator
  - Innovations new to market v. new to company

- NAS S&T Indicators Panel

National Center for Education Statistics

- Statewide Longitudinal Data Systems
  - Pre-K → 12 → Postsec → Workforce
  - Common Education Data Standards
  - Technical assistance to states
  - Status by state – Data Quality Campaign

http://www.dataqualitycampaign.org/

data quality campaign

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Home | Data Quality Campaign

» DQC's State Analysis Executive Summary

» 10 State Actions Analysis   » 10 Essential Elements Analysis

» Learn More About DQC   » Our Managing Partners   » Our Endorsing Partners

Data for Action 2010: DQC's State Analysis

Find out your state's progress.

States have made phenomenal progress collecting longitudinal information that follow individual students over time. Education and policy leaders must act now to ensure data are not only collected but used to empower individuals to make decisions aimed at improving student success. How does your state compare?

State Actions	Essential Elements

States must act to ensure that data can be linked across education systems, data are accessible to stakeholders and those stakeholders have the capacity to use data to improve student achievement. Select a state to learn more about progress toward this goal.

Go to state

MAP OF ACTIONS IMPLEMENTED

0-1   2-3   4-5   6-7   8-9   10

Minnesota

1: Link data systems

✔ 2: Create stable, sustained support

✔ 3: Develop governance structures

4: Build state data repositories

5: Implement systems to provide timely access to information

✔ 6: Create progress reports using individual student data to improve student performance

✔ 7: Create reports using longitudinal statistics to guide systemwide improvement efforts

✔ 8: Develop a P-20/workforce research agenda

9: Promote educator professional development and credentialing

10: Promote strategies to raise awareness of available data

CT
DC
DE
MA
MD
PR
RI

Join the Data Quality Campaign April 28th at a national event in Washington, DC to discuss critical issues related to protecting the privacy, security and confidentiality of student data, developments in state and federal policy, best practices and emerging solutions, and remaining challenges. Register now!

Data for Action 2010: ECDC's State Analysis of Early Care and Education

On March 10, 2011 The Early Childhood Data Collaborative discussed the findings and policy implications of the inaugural state analysis of coordinated early care and education (ECE) data systems. Watch the webcast here.

Webcast: Data for Action 2010: DQC's State Analysis

On February 16, 2011 DQC discussed the results of its sixth annual state analysis *Data for Action 2010*, a powerful policymaking tool to drive education leaders to use data in decision making. Watch the webcast here.

$ A Roadmap for States

Learn more about Federal Funding Opportunites for data

Getting Started

Creating a Longitudinal Data Systems--10 Essential Elements (white paper)

The Next Step--10 State Actions to Ensure Effective Use

» Featured Video

☐ Using Data for Continuous Improvement
State progress on data systems and 10 actions states need to take.

» Resource Library

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Washington Career Bridge

Find the education & training you need to get the job you want

Find education and training

View training program performance

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↘ Find a WorkSource Center

↘ Oregon ETP List

↘ Idaho ETP List

↘ Other state ETP Lists

Search for Eligible Training Provider programs

Explore careers

Fund your training

See what's new

For training providers 🔒

Airframe Mechanic I
Award Type: Certificate
Big Bend Community College

Back to search results ➡

New search 🔍   Print 🖨

| Program Details | Training Provider Details | Employment Results | Student Characteristics | Occupation Information |

View other training providers offering Airframe Mechanics & Aircraft Maint Tech programs   View all programs at this training provider

Employment Results

Employment, wages and completion for all programs related to Airframe Mechanic I at Big Bend Community College ℹ
Program Type: Airframe Mechanics & Aircraft Maint Tech
For academic years: 2005-2006, 2006-2007, 2007-2008

	Students who completed the program(s)
Number of Graduates	32
Completion Rate ℹ	84%
Number with Reported Employment ℹ	25
Employment Rate ℹ	80%
Typical (Median) Hourly Earnings	$19.07
Typical (Median) Annual Earnings	$42,630.06

Employment and Training Administration

- **Workforce Data Quality Initiative**
  - **Grants to State LMI agencies to support SLDS**

- Real-time LMI

- Skills-based Projections

Employment and Training Administration

- Workforce Data Quality Initiative

- **Real-time LMI**
  - **Recovery Act grants to state LMI agency consortia**
  - **Private actors—Conference Board, Burning Glass, Monster Government Services**

- Skills-based Projections

Table 6: MSA Labor Supply /Labor Demand Indicators, Not Seasonally Adjusted

Location[4]	Total Ads Rate[1] (Percent)			Unemployment Rate[2]	Unemployed (Thousands)	Total Ads (Thousands)	Supply/ Demand Rate[3]
	Feb-10	Jan-11	Feb-11	Dec-10	Dec-10	Dec-10	Dec-10
Birmingham, AL	1.88	1.86	2.21	8.4	43.1	9.4	4.57
Phoenix, AZ	2.08	2.19	2.67	8.4	178.4	46.7	3.82
Tucson, AZ	2.00	2.09	2.39	8.3	40.9	10.2	4.02
Los Angeles, CA	2.12	2.11	2.55	11.7	762.6	140.6	5.42
Riverside, CA	1.26	1.24	1.48	13.9	245.4	22.0	11.17
Sacramento, CA	1.79	1.86	2.19	12.5	129.6	19.5	6.65
San Diego, CA	2.41	2.19	2.83	10.1	156.9	34.3	4.57
San Francisco, CA	3.39	3.57	4.34	9.9	219.1	79.3	2.76
San Jose, CA	3.88	4.39	5.29	10.7	95.6	39.8	2.40
Denver, CO	2.57	2.72	3.28	8.7	119.2	37.2	3.20
Hartford, CT	2.94	3.39	4.29	8.7	51.8	20.6	2.52
Washington, DC	4.42	4.60	4.95	5.7	174.0	140.7	1.24
Jacksonville, FL	2.41	2.28	2.69	11.0	75.6	15.1	5.00
Miami, FL	1.79	1.80	2.09	11.8	343.1	52.2	6.57
Orlando, FL	2.70	2.44	2.99	11.3	127.5	27.3	4.67
Tampa, FL	2.57	2.54	2.99	12.0	156.6	32.5	4.82
Atlanta, GA	2.13	2.29	2.80	10.2	270.9	64.3	4.21
Honolulu, HI	2.62	2.47	2.78	4.8	21.5	11.2	1.92
Chicago, IL	2.12	2.14	2.40	8.7	425.1	106.6	3.99
Indianapolis, IN	2.42	2.28	2.46	8.4	73.3	20.0	3.66
Louisville, KY	2.05	2.10	2.22	9.8	62.1	13.5	4.60
New Orleans, LA	2.16	2.03	2.30	7.0	38.1	11.2	3.40
Baltimore, MD	3.24	3.20	3.77	7.5	103.8	45.3	2.29
Boston, MA	3.33	3.32	3.90	7.1	183.0	87.0	2.10
Detroit, MI	1.63	2.06	2.45	11.1	225.5	40.9	5.52
Minneapolis-St. Paul, MN	2.59	3.10	3.54	6.5	119.9	55.7	2.15
Kansas City, MO	2.55	2.56	2.68	8.6	86.9	26.3	3.30
St. Louis, MO	2.26	2.08	2.27	9.4	134.7	30.2	4.47

Table 9: MSA Occupational Demand and Pay[1], Not Seasonally Adjusted

Location	Management and Business/Financial		Professional & Related		Service	
	Total Ads Feb-11	Average Hourly Wage[2]	Total Ads Feb-11	Average Hourly Wage[2]	Total Ads Feb-11	Average Hourly Wage[2]
United States	672,789	$40.61	1,609,319	$29.97	373,192	$12.25
Birmingham, AL	1,513	$39.26	3,535	$27.46	1,045	$10.98
Phoenix, AZ	8,833	$36.56	21,116	$28.66	5,717	$12.58
Tucson, AZ	1,350	$35.56	4,128	$28.71	1,766	$12.30
Los Angeles, CA	32,533	$45.91	61,307	$34.38	12,797	$13.38
Riverside, CA	3,183	$39.19	7,412	$30.59	3,216	$13.04
Sacramento, CA	3,627	$38.87	9,045	$32.92	1,876	$13.66
San Diego, CA	7,222	$43.69	18,033	$34.68	4,051	$12.97
San Francisco, CA	22,494	$50.82	43,207	$38.00	6,077	$14.65
San Jose, CA	10,068	$56.88	28,229	$44.43	1,411	$14.44
Denver, CO	8,406	$41.06	17,714	$33.07	3,716	$12.70
Hartford, CT	4,928	$42.75	10,120	$32.52	1,728	$14.11
Washington, DC	32,207	$48.01	74,340	$39.06	11,543	$14.07
Jacksonville, FL	2,860	$35.31	5,993	$27.45	1,957	$11.56
Miami, FL	9,773	$39.01	18,719	$28.72	7,423	$12.47
Orlando, FL	4,610	$36.17	10,781	$27.88	4,498	$11.37
Tampa, FL	6,032	$35.96	14,259	$28.79	4,561	$11.75
Atlanta, GA	15,155	$43.23	32,586	$29.65	5,141	$11.54
Honolulu, HI	1,571	$36.22	3,209	$28.80	2,068	$13.43
Chicago, IL	26,287	$42.09	45,669	$32.56	8,048	$13.25
Indianapolis, IN	3,561	$37.52	6,950	$27.84	1,894	$11.69
Louisville, KY	2,119	$36.39	4,881	$26.91	1,397	$10.84
New Orleans, LA	1,633	$34.98	3,219	$27.46	1,952	$11.21
Baltimore, MD	7,903	$41.80	21,167	$33.08	5,308	$13.30
Boston, MA	20,830	$48.62	43,871	$35.52	7,575	$14.76

Employment and Training Administration

- Workforce Data Quality Initiative

- Real-time LMI

- **Skills-based Projections**
  - **Uses O*NET to translate occupational projections to skills-based ones**
  - **Managed by State Projections Consortium**

Bureau of Labor Statistics: Wish List

- OES sample expansion → annual averages for states, metros

- JOLTS sample expansion → state data

- BED substate geography

- QCEW – add establishment business function

- Data visualization

Innovations in Federal Statistics: New Views on Regions

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