NEW TOOLS FOR ANALYZING REGIONAL ECONOMIES

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Assessing Your Region's Economy

- Highlight its *current* situation and how it's *changing*
- Fundamental demographic & economic traits
- Relative strengths & weaknesses
  - *Industry* clusters
  - *Occupation* clusters
  - Potential for *innovation*-based growth
- Share this information with region's leaders to facilitate strategy development & planning; or use it to help in soliciting grants & other support

EDA-sponsored research to help

- Study 1: Created detailed database for all counties
    - Free online access to data, maps, etc.
    - Lets users assemble data for custom regions
    - Data on 17 industry clusters + economic performance

- Study 2: Adds *occupation clusters* and measures of *innovation activity & potential*

Study 1: The Role of Industry Clusters

- Three phases
  - Defined industry clusters & created county database
  - Examined national cluster distributions & clusters' relationship to economic performance
  - Field-tested usefulness of data & analysis in a real region

17 Industry Clusters

Advanced Materials

Agribusiness, Food Processing and Technology

Apparel and Textiles

Arts, Entertainment, Recreation and Visitor Industries

Biomedical/Biotechnical (Life Sciences)

Business and Financial Services

Chemicals and Chemical-Based Products

Defense and Security

Education and Knowledge Creation

Energy (Fossil and Renewable)

Forest and Wood Products

Glass and Ceramics

Information Technology and Telecommunications

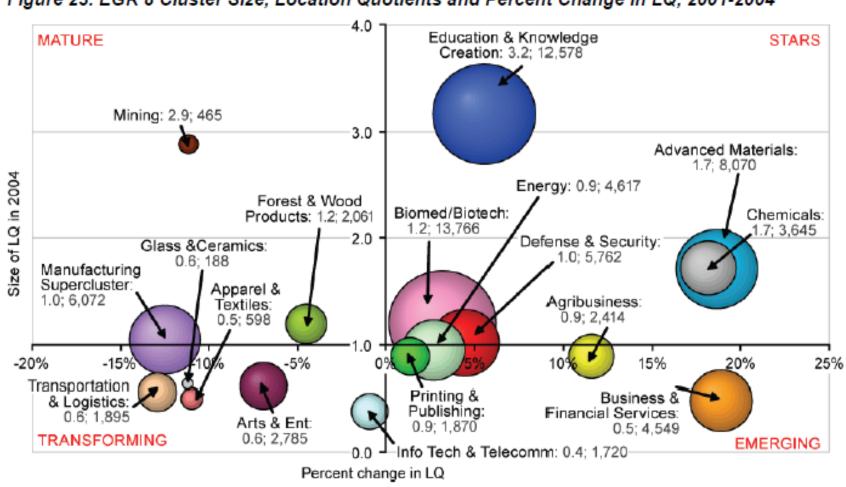Manufacturing super-cluster

Mining

Printing and Publishing

Transportation and Logistics

Clusters are Regionally Concentrated

Forest and Wood Products Cluster

Location Quotient > 1.2

Clusters in an 8-county Region

Figure 23. EGR 8 Cluster Size, Location Quotients and Percent Change in LQ, 2001-2004
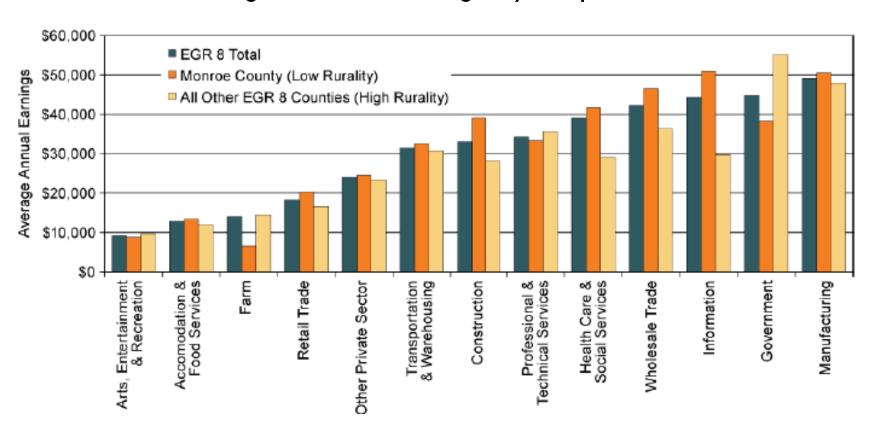
Working with Regional Stakeholders

- Share data and analyses with regional leaders in business, gov't, nonprofits, planners, educators, etc.

- Highlight which clusters show potential for growth and competitive advantage

- Help stakeholders identify most promising clusters, cluster members, and cluster strategies

- Form cluster action groups to follow through

Which Jobs Bring in the Money?

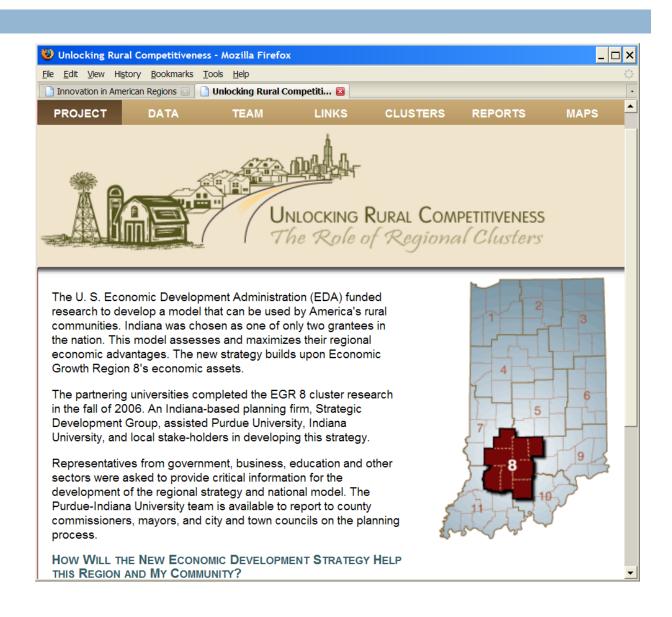## Average Annual Earnings by Major Sector

Show Me the Data!

www.ibrc.indiana.edu/innovation/

Brochure contains CD with full report, database, maps, etc.

Website has more current data

Study 2: Occupations, Innovation & Investment Guidance

- Developed new measures and databases:
  - Clusters based on *occupations* & workplace *skills*
  - Relative concentrations of occupations *within industries*
  - *Innovation* activity & capacity, + *Innovation Index*

- New tool to guide econ. dev. investment decisions

- Pilot-tested & refined the concepts & measures with stakeholders in four regions around the nation

15 Occupation Clusters

Agribusiness and Food Technology

Arts, Entertainment, Publishing and Broadcasting

Building, Landscape and Construction Design

Engineering and Related Sciences

Health Care and Medical Science

Information Technology

Legal and Financial Services, and Real Estate

Managerial, Sales, Marketing and HR

Mathematics, Statistics, Data and Accounting

Natural Sciences and Environmental Management

Personal Services

Postsecondary Education and Knowledge Creation

Primary/Secondary and Vocational Education, Remediation & Social Services

Public Safety and Domestic Security

Skilled Production Workers: Technicians, Operators, Trades, Installers & Repairers
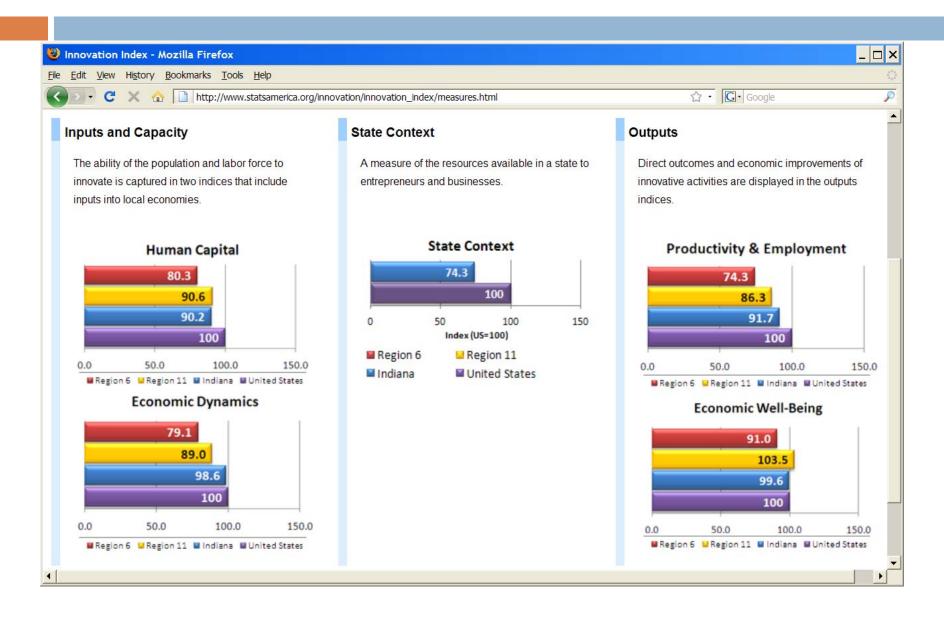
Focus on Occupation Clusters

- Examined employment trends by occupation cluster

- For each cluster, identified which occupations are concentrated in the region

- Examined which workforce skills are shared across occupations to identify potential workforce strengths to build on
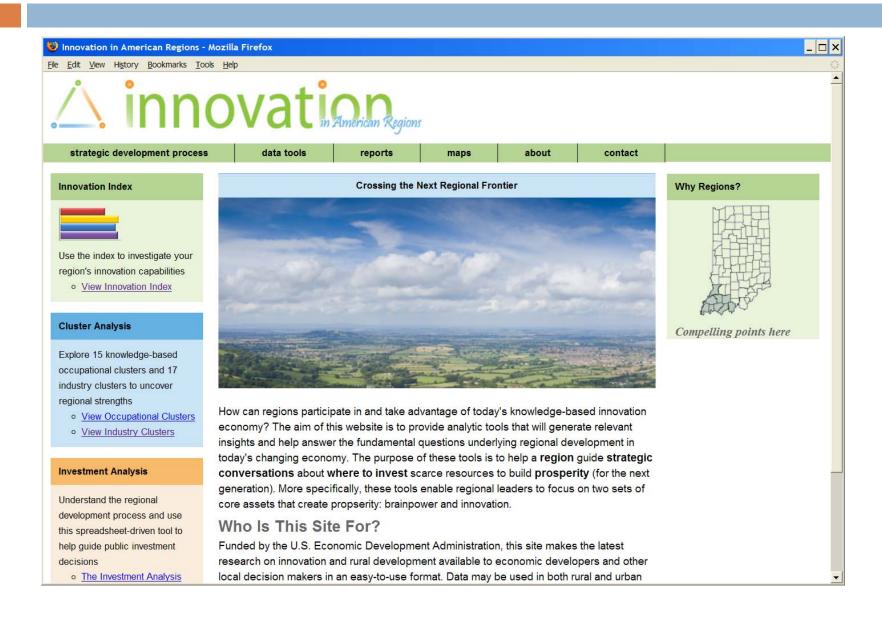
The Innovation Index

- Based on multiple indicators in 4 categories, each with its own sub-index:
  - human capital
  - economic dynamics
  - productivity and employment
  - economic well-being
- These reflect both innovation *capacity* and innovation *output*
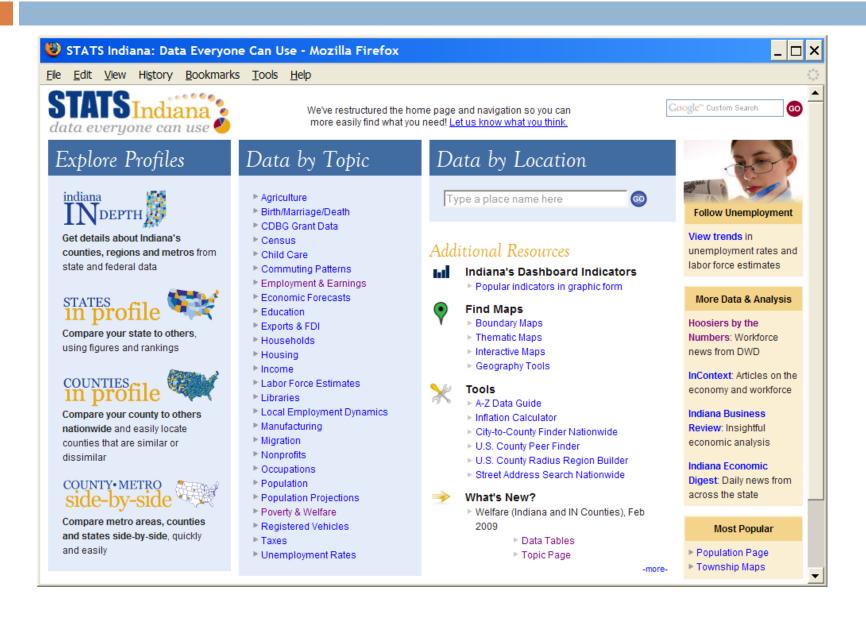
Compare innovation across areas

These Databases Soon to be Online

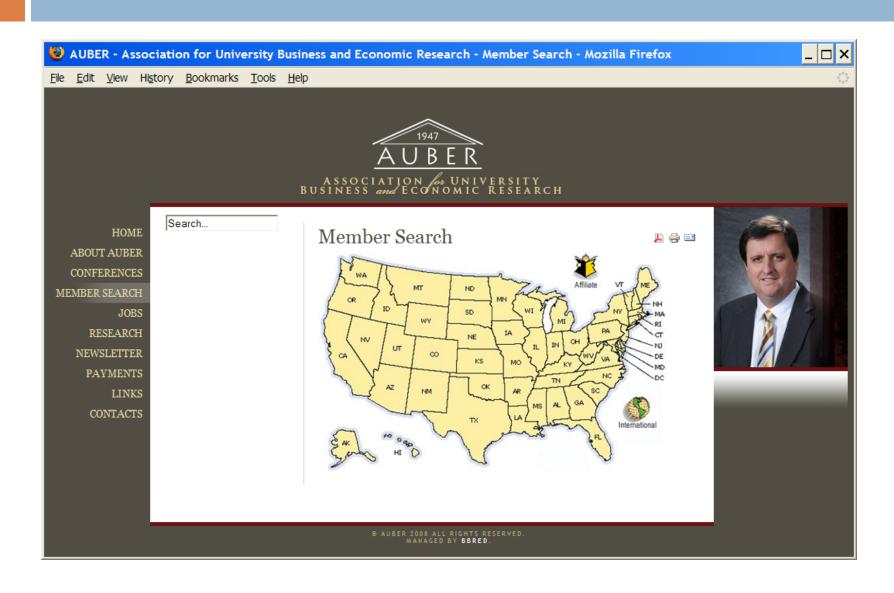## www.statsamerica.org/innovation

And If You Want Still More Data:

www.stats.indiana.edu

AUBER: Expert Help Near You
www.auber.org

For more information or help…

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