State-Level Big Data:
Ohio Longitudinal Data Archive

Kristin Harlow, Research Associate

Randy Olsen, Director

Center for Human Resource Research

FedCASIC, March 6, 2015

Agenda

1. Ohio Longitudinal Data Archive
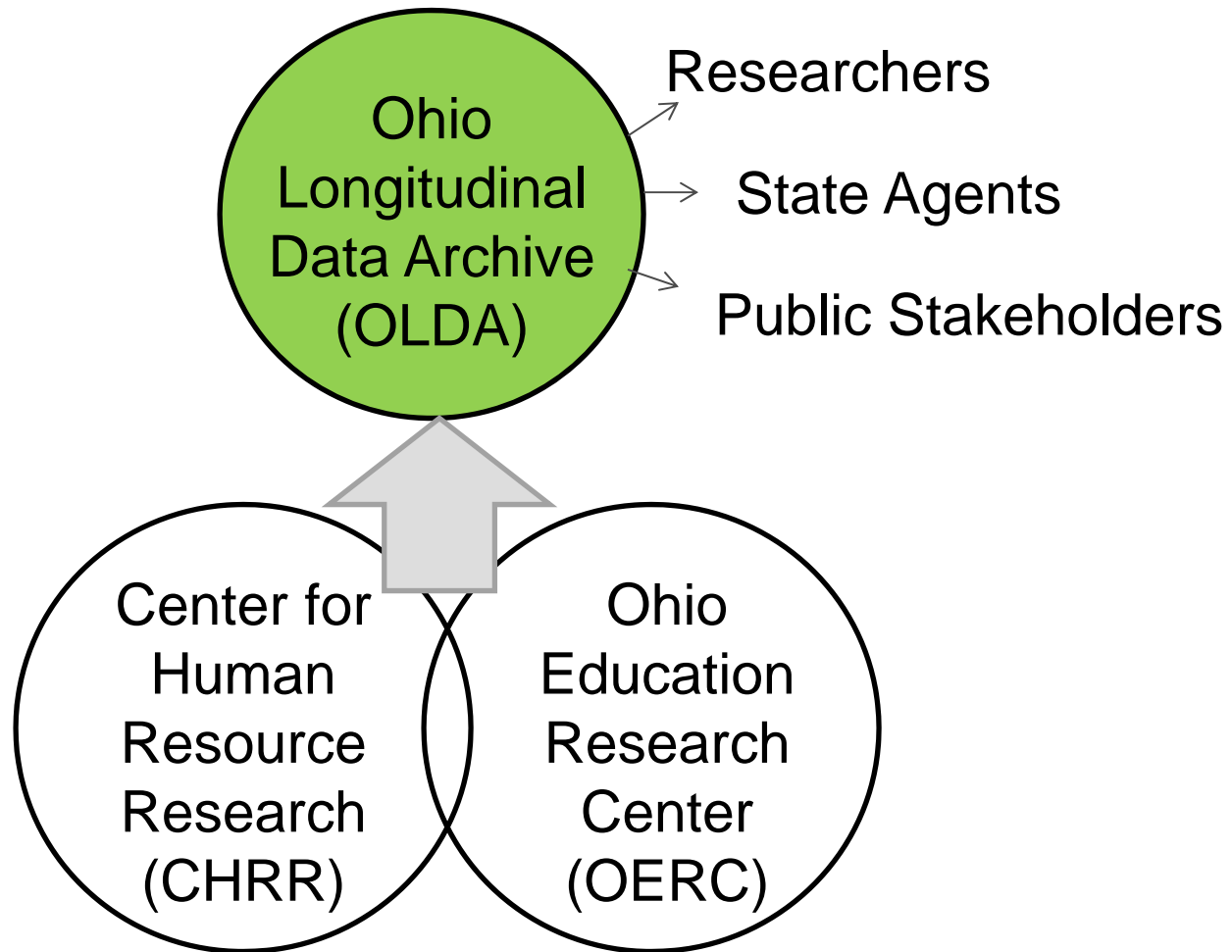2. Data Access
3. Research Examples

Workforce Data Quality Initiative Grant

- Integration of workforce and education data

- Longitudinal data systems

- Improved data quality and breadth of workforce data systems

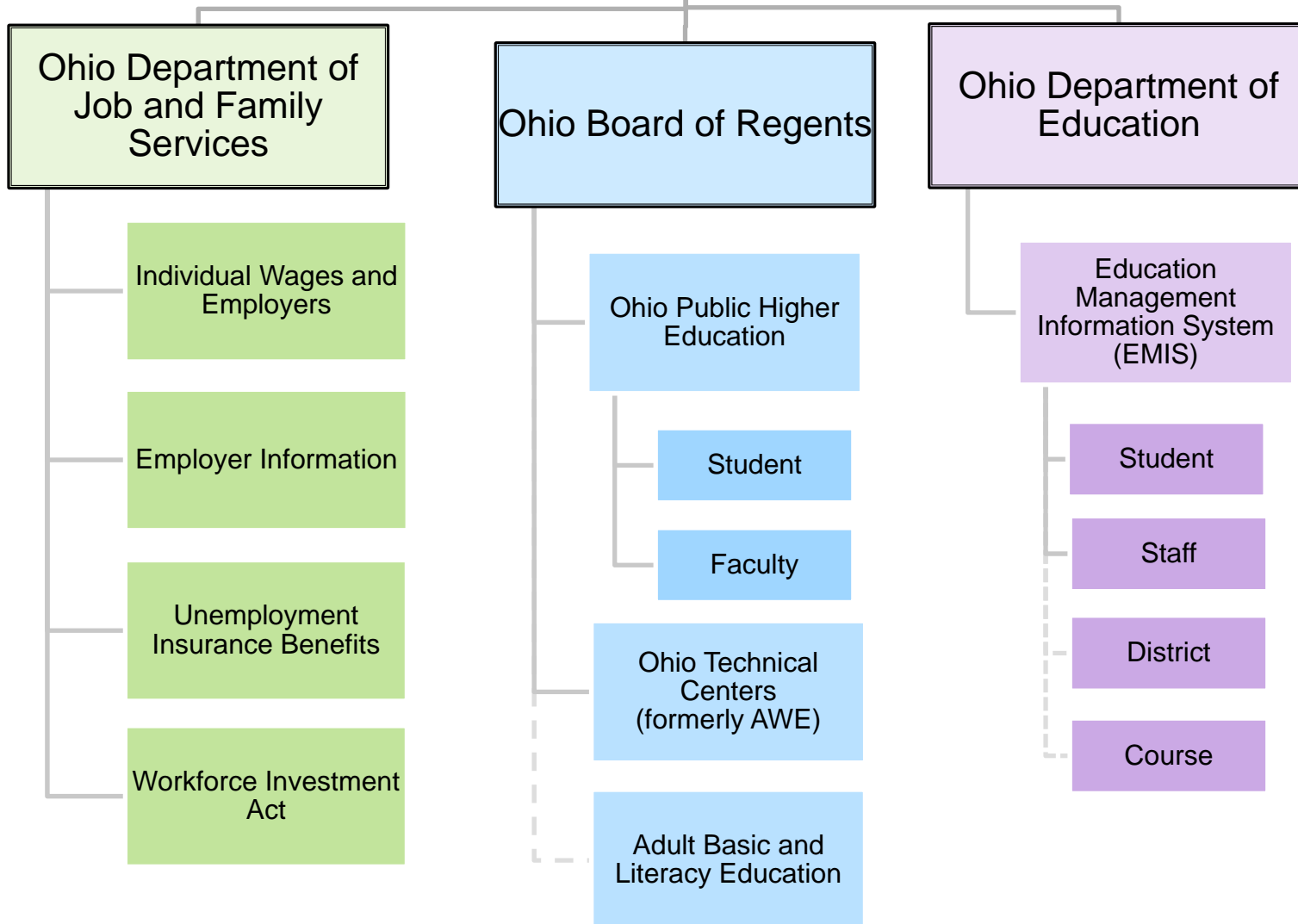- Useful information to guide policy and consumer decisions

Ohio Longitudinal Data Archive

Ohio
Longitudinal
Data Archive
(OLDA)

Researchers

State Agents

Public Stakeholders

Center for
Human
Resource
Research
(CHRR)

Ohio
Education
Research
Center
(OERC)

Ohio Longitudinal Data Archive

Ohio Department of Job and Family Services

- Individual Wages and Employers
- Employer Information
- Unemployment Insurance Benefits
- Workforce Investment Act

Ohio Board of Regents

- Ohio Public Higher Education
  - Student
  - Faculty
- Ohio Technical Centers (formerly AWE)
- Adult Basic and Literacy Education

Ohio Department of Education

- Education Management Information System (EMIS)
  - Student
  - Staff
  - District
  - Course

Governance

- Data Stewards Committee
  - Agency representatives
  - CHRR representatives

- Memoranda of Understanding between Ohio State University and Agencies

OLDA Data Access

Application Process

- ## Describe Proposed Research
  - Research Questions
  - Specific Variables
  - Access to Secure Computer

- ## Agency Approval

- ## IRB Approval

- ## Data Access through Secure FTP

- ## Report Results

Application Process
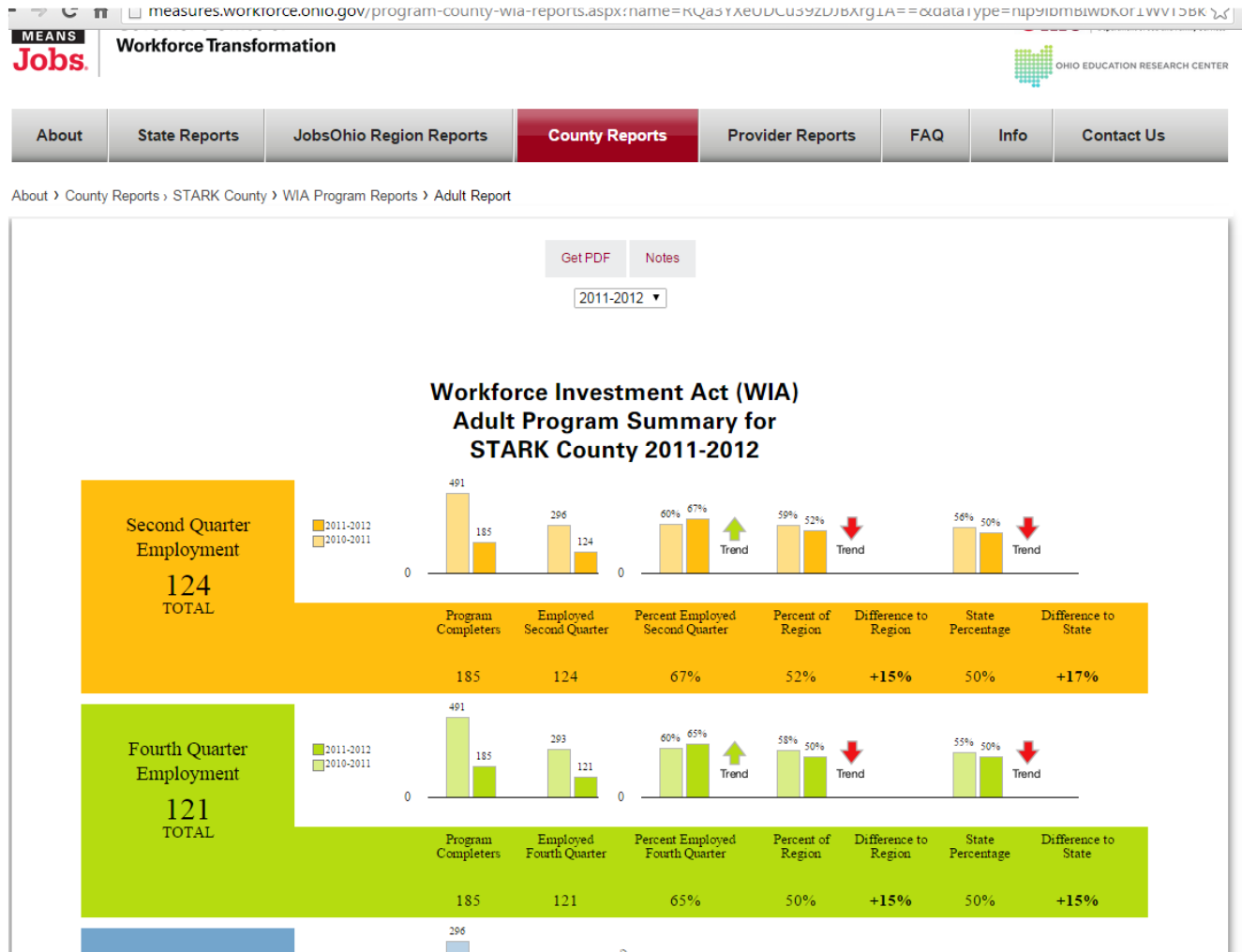
- Variables identified through OLDA metadata:

https://www.chrr.ohio-state.edu/investigator/pages/search.jsp

Research Examples

Workforce Success Measures Dashboard

- Partnership between Ohio Governor's Office of Workforce Transformation and OERC

- Consistent Outcome Measures Across Programs:
  - Workforce Investment Act
  - Adult Basic and Literacy Education
  - Perkins-funded Ohio Technical Centers
  - State-funded Higher Ed Financial Aid & Scholarships

- Measures:
  - Two- and four-quarter employment and wage outcomes
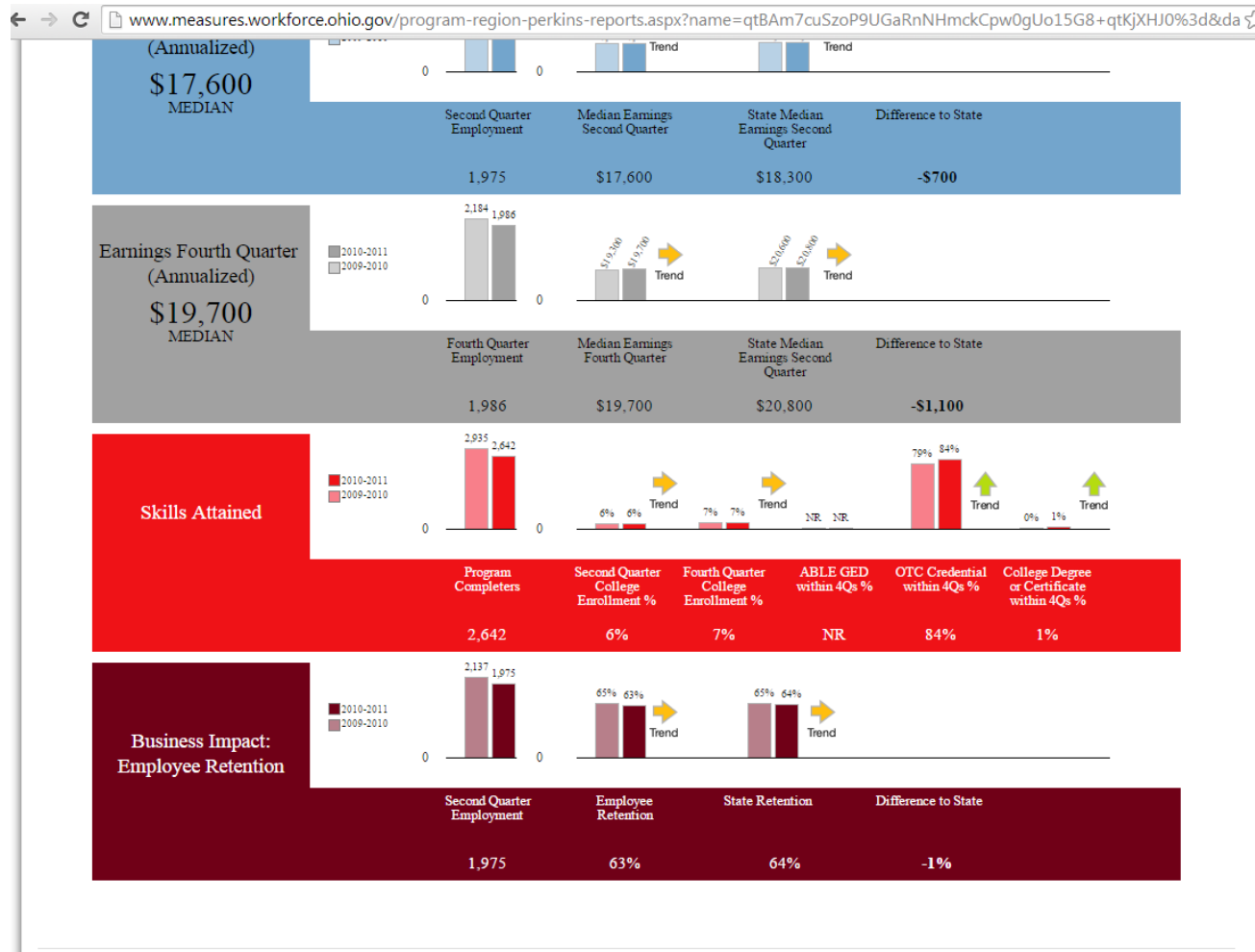 - Training and education outcomes
  - Retention measure

http://www.measures.workforce.ohio.gov/about.aspx

Research Examples

Workforce Success Measures Dashboard

Workforce Success Measures Dashboard – North East
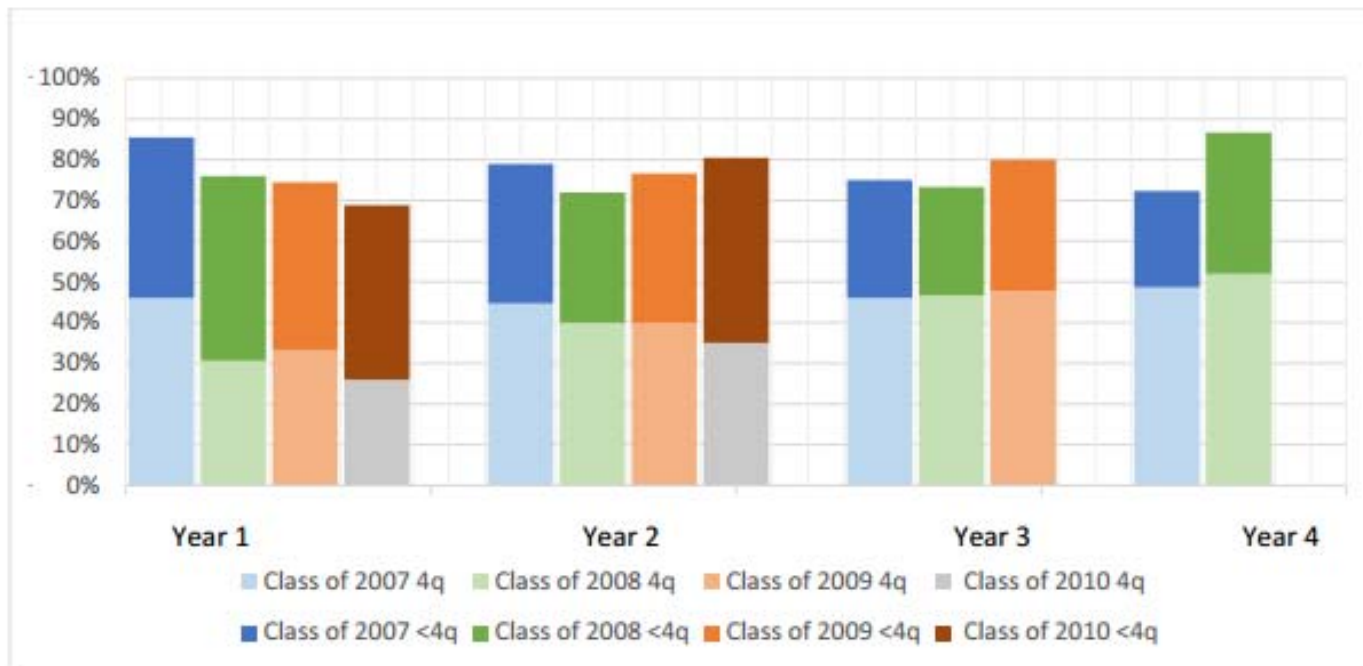

12

K-12 Outcomes

- <u>Small, rural school district</u>
- Large, urban school district
- Dashboards in development
  - Ohio Appalachian Coalition
  - Central Ohio Consortium

Results from Small, Rural District
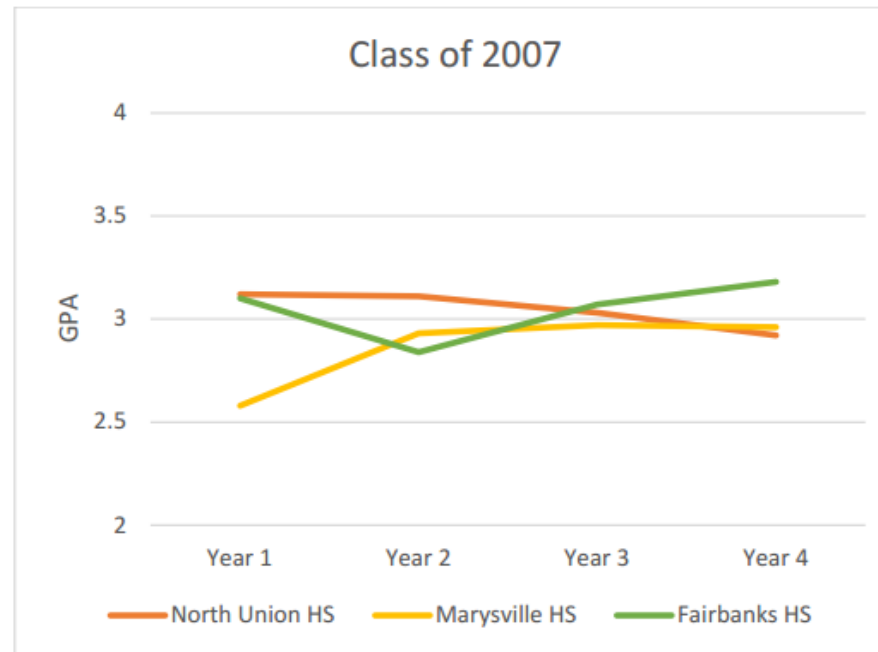

Figure 1. Percent Employed in Ohio

Results from Small, Rural District

Figure 5. GPA of Students Enrolled in an Ohio Public College or University

Comparison of North Union HS Graduates to Marysville and Fairbanks HS Graduates

Higher Education Outcome Tableau Tool

http://tinyurl.com/mv7whjq

Questions?

**Kristin Harlow
Center for Human Resource Research
harlow.19@osu.edu**