Public-Private Partnerships Delivering Public Data in Entrepreneurship and Education

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Association of Public Data Users
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Effective Use of Data in Entrepreneurship and Education

• Research and Policy program has long history of support for the collection and use of data on entrepreneurship and small business organizations
  o Kauffman Firm Survey
  o Annual Survey of Entrepreneurs

• Education program has more recent involvement in state aggregate education data
  o EdWise
Why Partner?

- Kauffman Firm Survey, initiated in 2004, was limited source of information on new business development.
- After 2008-2009, KFS was not sufficient to provide high-quality, on-going information of the influence of financial crisis on new business.
- Landscape analysis considered expanding then current contract with research partner or engaging with the Bureau of Labor Statistics.
- Census and Minority Business Development Agency provided the mechanism to improve multiple aspects of the KFS.
Collaboration with Census and Minority Business Development Agency

• **Annual Survey of Entrepreneurs**
  - Complements the Survey of Business Owners – every 5 years
  - Expands the Annual Survey of Entrepreneurs to yearly data collection (2014, 2015, 2016)
  - Increases number of firms surveyed from 5,000 to 200,000
  - Decreases the cost of the survey
  - Improve the time of data release from 24-11 months
Data Available in the Annual Survey of Entrepreneurs

- ~200,000 entrepreneurs surveyed annually
- Geographic distribution (nation, state, and 50 largest metropolitan areas)
- Demographics (e.g. gender, race, age)
- Industry
- Detailed business data
  - Funding
  - Research and development activities
  - Geography of customers
  - Barriers to growth
  - Innovations
  - Firm dynamics
Schedule of Data Release

• Files released to the Federal Statistics Research Data Centers
  o August 2016 – all 2014 data
  o June 2017 – all 2015 data
  o July 2018 – all 2016 data

• Public-use microdata files pending IRS approval
  o December 2016 – release of 2014 data
  o October 2017 – release of 2015 data
  o October 2018 – release of the 2016 data
Switching from Entrepreneurship to Education - EdWise

• Problem originated with Kauffman Foundation associate who struggled to make sense of multiple education data files in the state longitudinal data sets
• Missouri (and some Kansas) aggregate education data that is downloaded from the state education agency website – excel files
• Data are uploaded as SQL data files
• Visualization is through Tableau platform
Missouri Data in EdWise – R

- Assessment: 39.4%
- High School Completion and Matriculation: 18.3%
- Demographics: 11.0%
- Finance: 9.2%
- Community Indicator: 8.0%
- Discipline: 6.7%
- Faculty & Staff: 4.9%
- Accreditation: 2.4%
- Transportation: 0.0%
Tool 1: Mapping

Mapping Analytic - Percent of Students with Free or Reduced Lunch, January
### Tool 2: Find a District/School

#### Metric Measurement Level
- District

#### Beginning of School Year
- 2013

#### State
- Missouri

#### Grade/Assessment Group
- Null

### Metric Category [A]
**Fall Enrollment**
- Metric Value: 10000
- Value: 50749

### Metric Category [B]
**Students Per Teacher**
- Metric Value: 0
- Value: 15

### Metric Category [C]
**Percent of Students with Free or Reduced Lunch, January**
- Metric Value: 0.5
- Value: 31.167

### Metric Category [D]
**Percent of Non-White Students within the Fall Enrollment**
- Metric Value: 0.5
- Value: 1

### Districts/Schools Matching Selected
- State: Missouri
- Ferguson-Florissant R-II
- Hazelwood
- Kansas City 33
- St. Louis City
EdWise Updated

• Developed total of 3 platforms
  o EdWise-H
    • Developed in collaboration with the Missouri Department of Higher Education
    • Data limited to 27 public colleges and universities in the state
    • Data aligned with the MO DHE strategic plan
  o EdWise-R
    • Added sub-group data to those variables that MO DESE provided
  o EdWise-P
    • Simplified the data to 40 variables most frequently requested
    • Added option for geographic filter to more quickly access data
Key Contacts for Kauffman Foundation Data

• American Survey of Entrepreneurs
  o Arnobio Morelix  amorelix@kauffman.org
    • https://www.census.gov/programs-surveys/ase/about.html

• EdWise
  o Christopher Laubenthal  claubenthal@kauffman.org
    • www.kauffman.org/EdWise
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