

Public-Private Partnerships Delivering Public Data in Entrepreneurship and Education

Edith S. Gummer
Ewing Marion Kauffman
Foundation

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
 - Kauffman Firm Survey
 - Annual Survey of Entrepreneurs
- Education program has more recent involvement in state aggregate education data
 - 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
 - August 2016 – all 2014 data
 - June 2017 – all 2015 data
 - July 2018 – all 2016 data
- Public-use microdata files pending IRS approval
 - December 2016 – release of 2014 data
 - October 2017 – release of 2015 data
 - October 2018 – release of the 2016 data

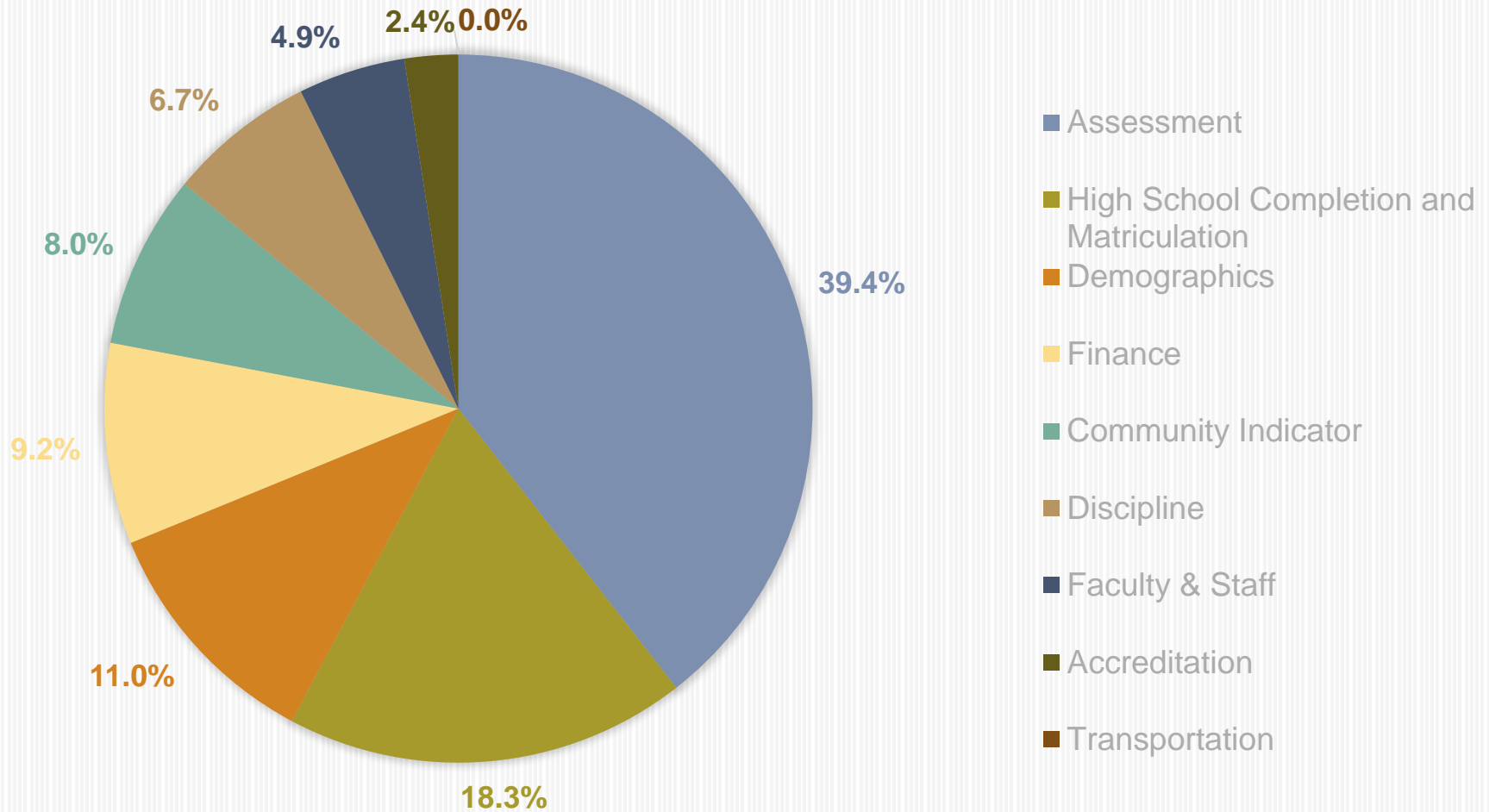


Switching from Entrepreneurship to Education - EdWise

- 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

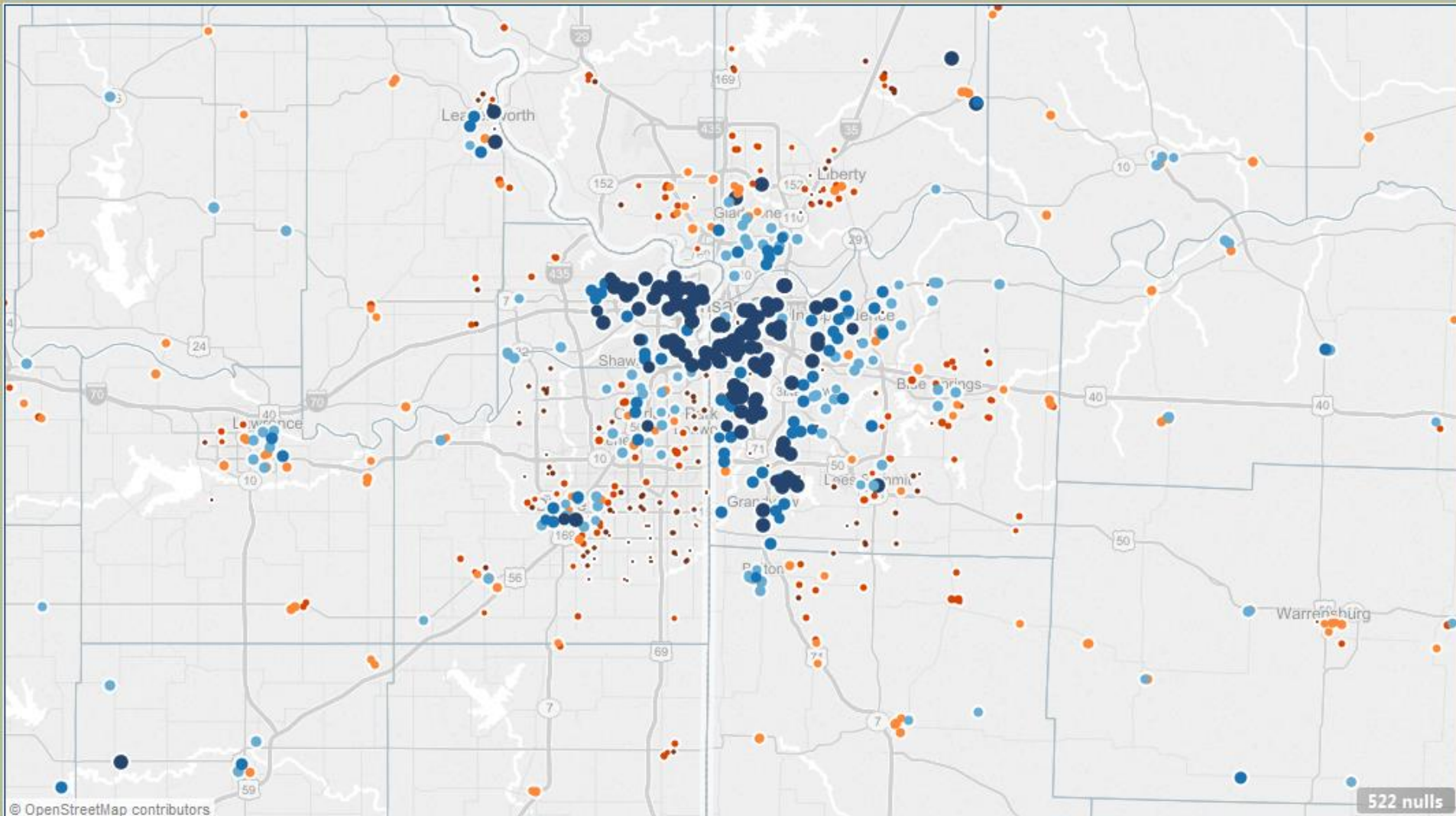


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Tool 1: Mapping

Mapping Analytic - Percent of Students with Free or Reduced Lunch, January



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522 nulls



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 [A]
 10000 ————— 50749

Metric Category [B]
 Students Per Teacher

Metric Value [B]
 0 ————— 15

Metric Category [C]
 Percent of Students with Free or Reduced Lunch, January

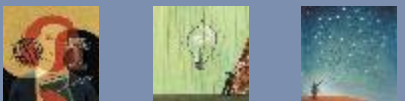
Metric Value [C]
 0.5 ————— 31.167

Metric Category [D]
 Percent of Non-White Students within the Fall Enrollment

Metric Value [D]
 0.5 ————— 1

Districts/Schools Matching Selected

State	District/School
Missouri	Ferguson-Florissant R-II
	Hazelwood
	Kansas City 33
	St. Louis City



EdWise Updated

- Developed total of 3 platforms
 - 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
 - EdWise-R
 - Added sub-group data to those variables that MO DESE provided
 - 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
 - Arnobio Morelix amorelix@kauffman.org
 - <https://www.census.gov/programs-surveys/ase/about.html>
 - <http://www.kauffman.org/blogs/growthology/2016/5/about-the-annual-survey-of-entrepreneurs-ase>
- EdWise
 - Christopher Laubenthal
claubenthal@kauffman.org
 - www.kauffman.org/EdWise
 - Edith Gummer egummer@kauffman.org

