

Leveraging State Longitudinal Data Systems and Collaboration to Conduct Equity-Based Research

2024 SHEEO Higher Education Policy Conference

08/06/2024 2:00p-3:00p

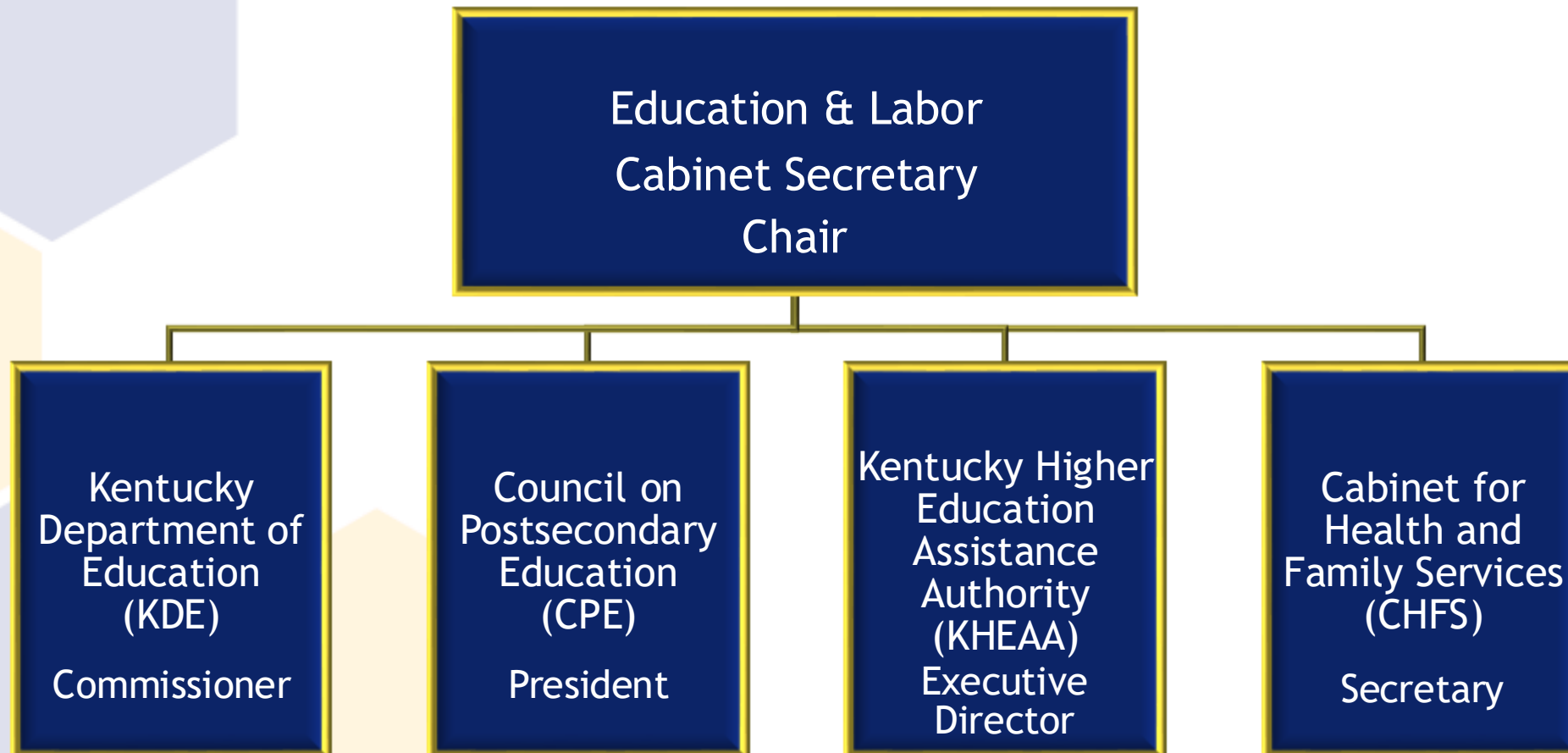
Kentucky Center for Statistics

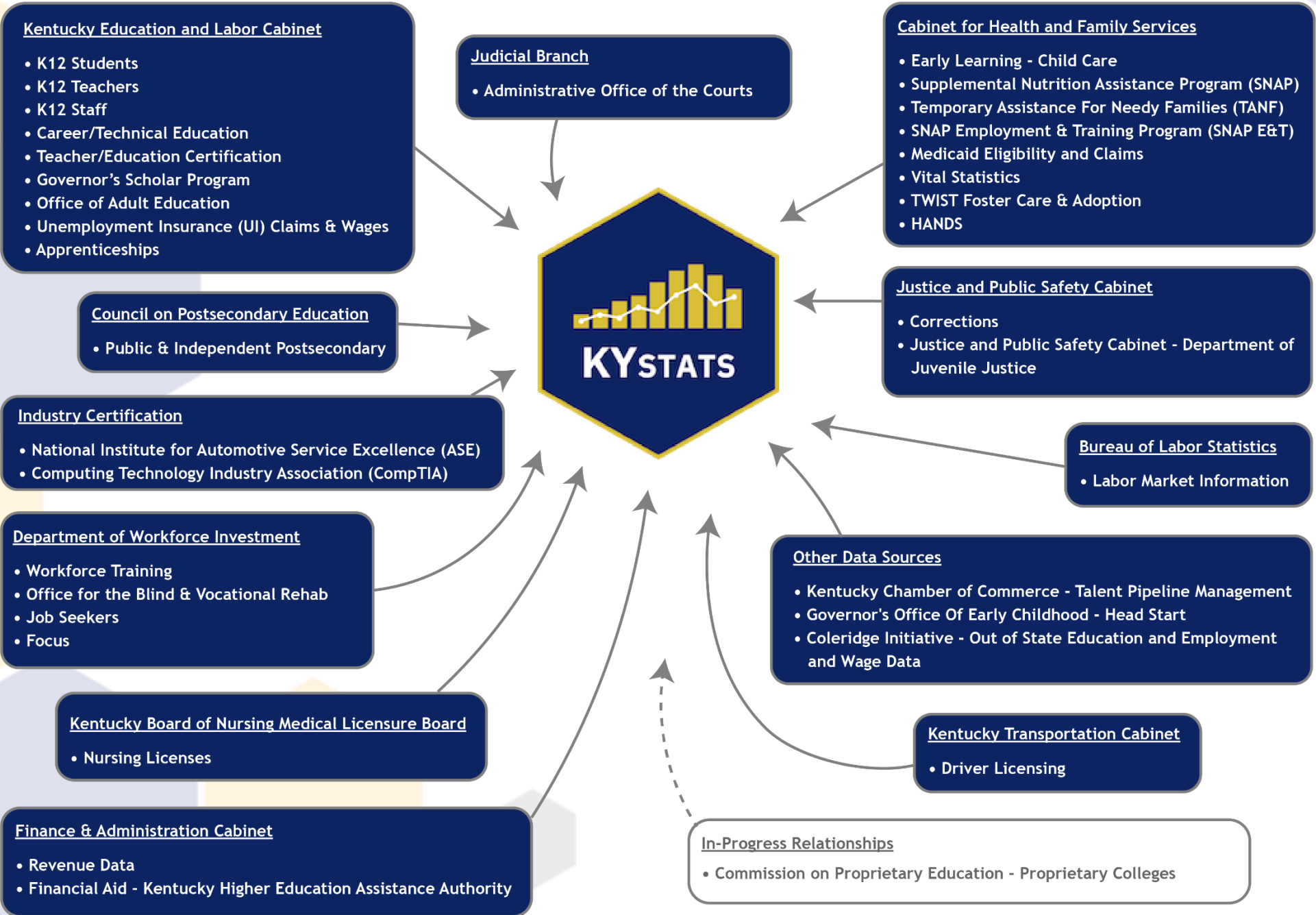


**Uniting our data.
Informing our Commonwealth.**



KYSTATS GOVERNING BOARD





Adult Learners Pursuing Postsecondary Credentials



Motivation: How Can We Meet Our Lumina Goal?

College-Going and Success

College Enrollment and Outcomes

Loans and Wages

Select an Academic Year to Filter the State-Level Metrics and District Maps.

2021

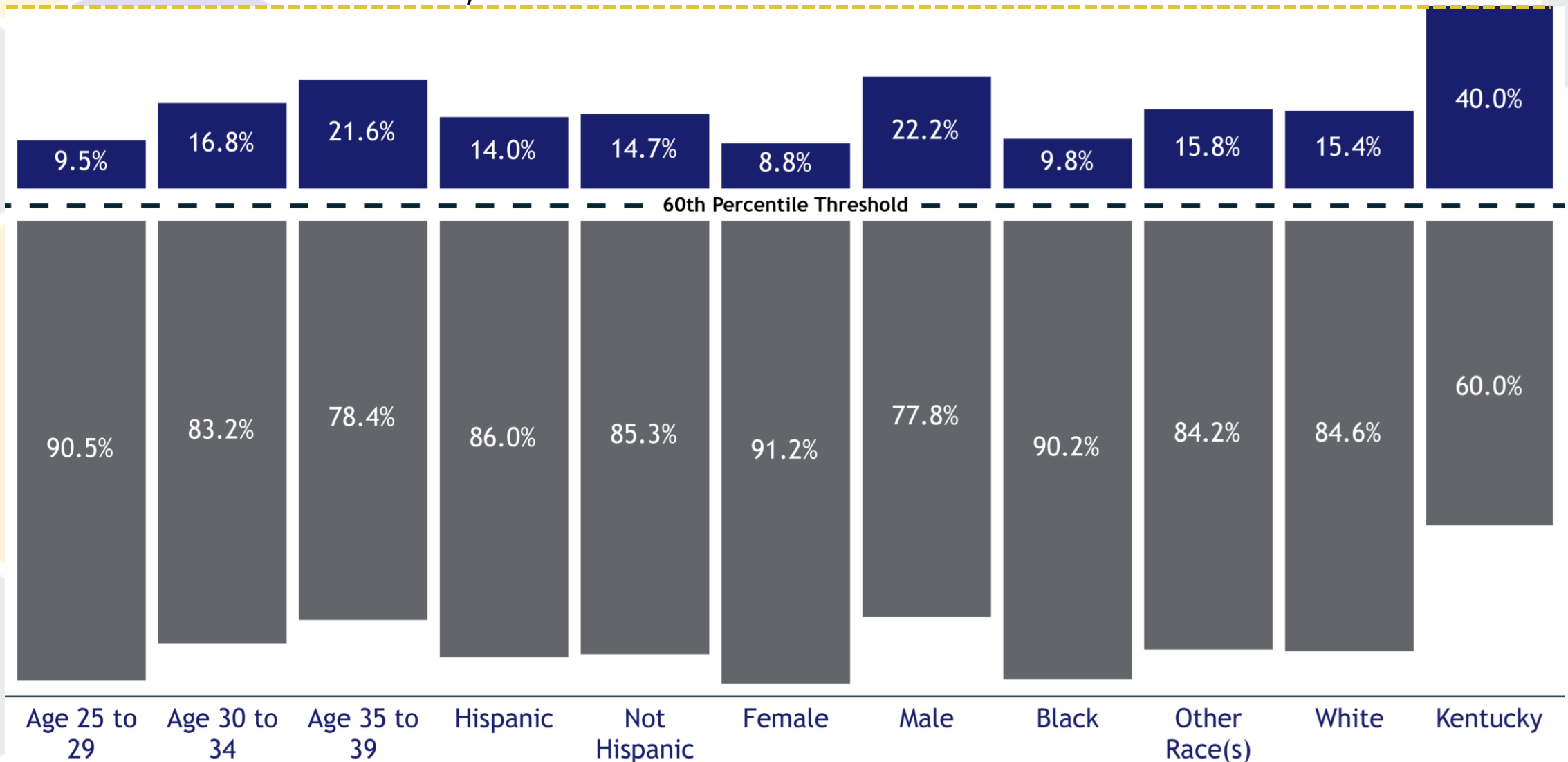
State Level College-Going or College Success Metrics

ACT COMPOSITE	HIGH SCHOOL GPA	HIGH SCHOOL GRAD RATE	POSTSECONDARY READINESS	FAFSA COMPLETION RATE
19.2	3.02	92.3%	No Data	61.1%
MEAN KEES MONEY EARNED	COLLEGE CREDIT WHILE IN HIGH SCHOOL	COLLEGE-GOING RATE	FIRST YEAR COLLEGE GPA	FIRST YEAR COLLEGE CREDIT HOURS EARNED
\$1,169	50.8%	51.5%	2.47	20

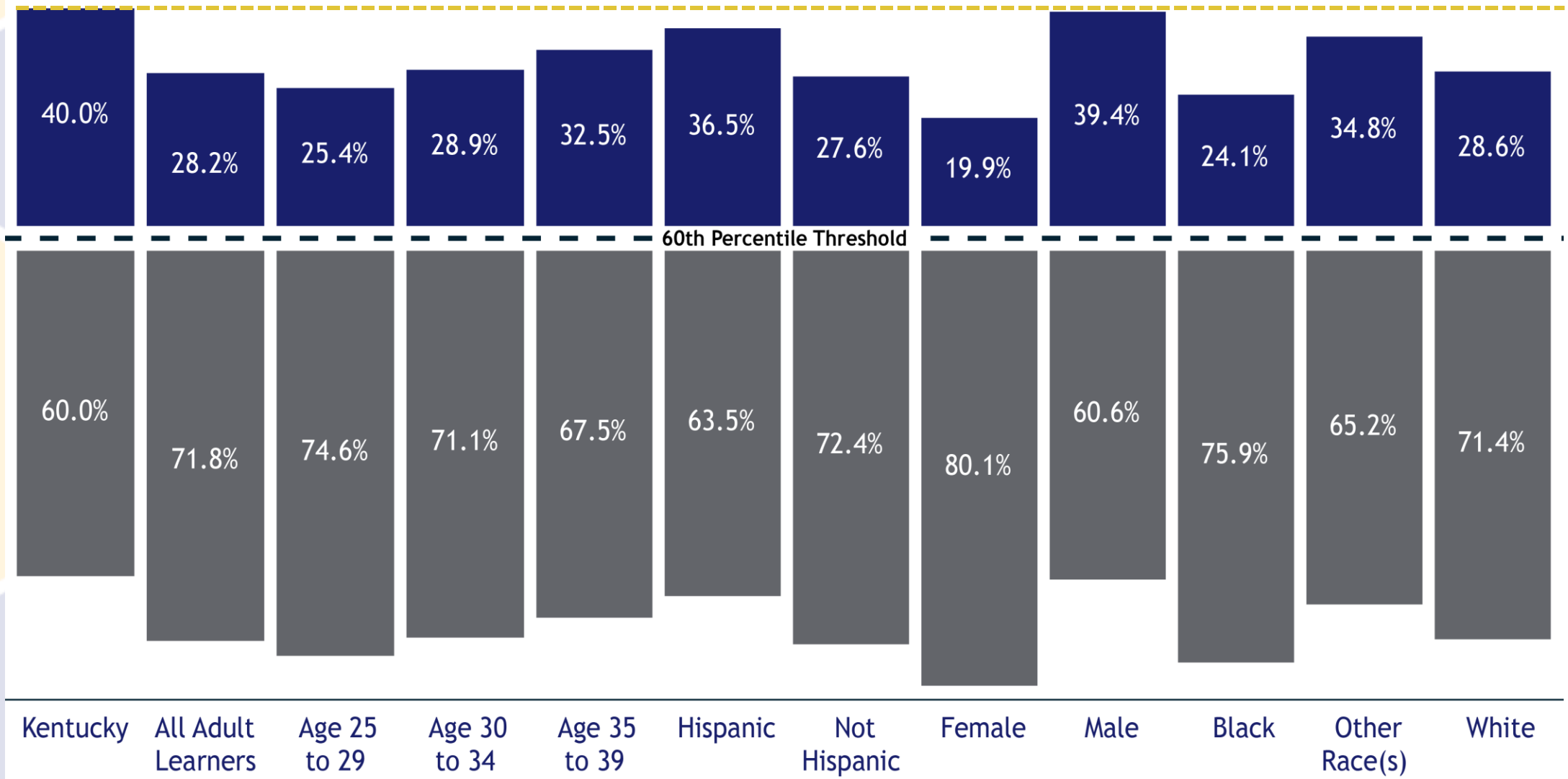
51.5% College-Going Rate for High School Graduates

What was the proportion of the adult learner populations above and below the threshold in the year prior to enrollment?

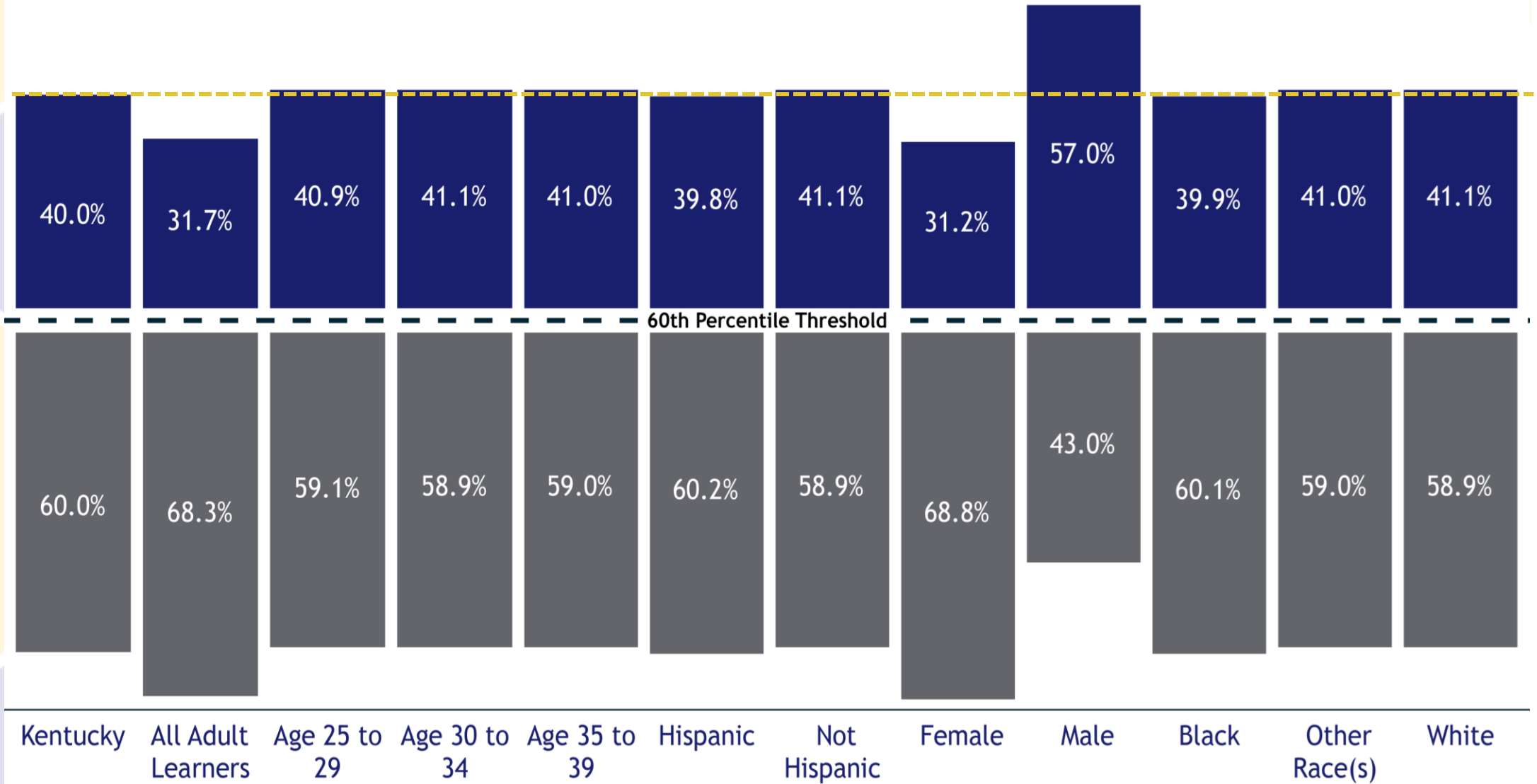
All subgroups of adult learners had a lower proportion of workers above the threshold the year before first enrollment than Kentucky as a whole.



Postsecondary Adult Learners: Proportion of Non-Completers above/below the threshold 8 years after enrollment?



Postsecondary Adult Learners: Proportion of Completers above/below the threshold 8 years after enrollment?



Multi-State Postsecondary Feedback Report: All

Filter Report by State ▼

Kentucky Postsecondary Completers

This dashboard includes three sections: Employment Outcomes by Major Group, Credential, and Student Origin. Each of these sections are filterable by Institution and Years Post Completion. Wage information can be filtered by percentile group using the wage filter. Employment outcomes looks at Kentucky Postsecondary Completers across the 2007 through 2017 academic years (AY) followed to post completion qualifying employment in Indiana, Kentucky, Ohio, and Tennessee. Qualifying Employment Outcomes are workers with at least 2 quarters employed and at least \$3,000 dollars earned in a 4 quarter period. A double asterisk in a data table represents redacted values, blank data represents no data available.

Filter the Dashboard by Institution ▼

All

Filter the Dashboard by Years Post Completion ▼

3-Years Post Completion

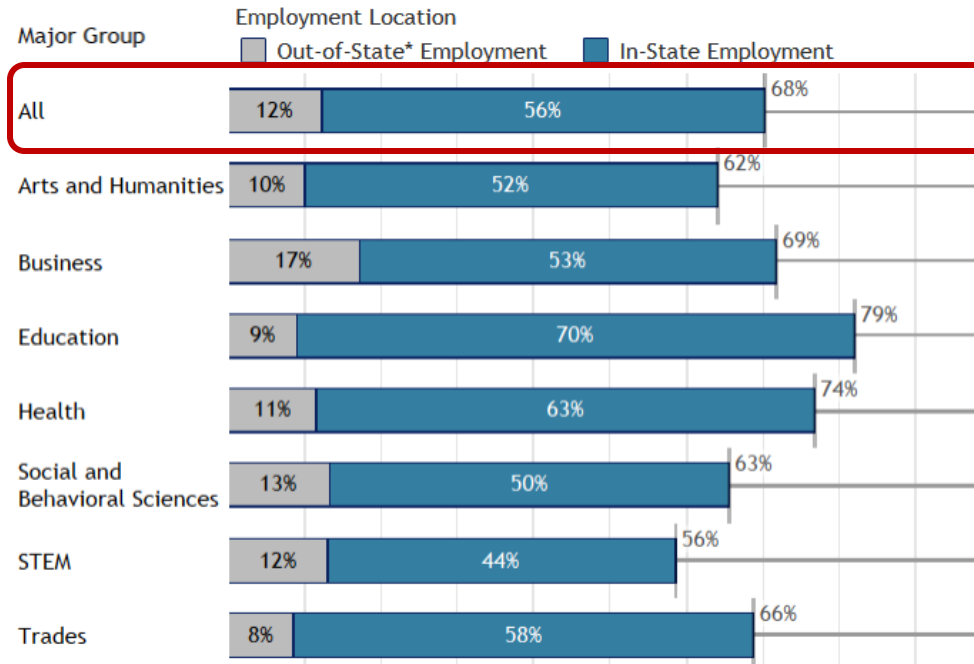
Filter Wages by Percentile ▼

Median Wage

Employment Outcomes by Major Group

This section provides qualifying employment outcomes for each major group. Major groups are categories that each contain several majors.

Major Group	Completer Count	In-State Median Wage	Out-of-State* Median Wage
All	309,720	\$40,601	\$43,744
Arts and Humanities	50,251	\$29,522	\$31,837
Business	53,200	\$42,097	\$48,806
Education	38,290	\$48,704	\$42,228
Health	66,226	\$44,068	\$50,885
Social and Behavioral Sciences	45,003	\$35,215	\$38,460
STEM	34,603	\$45,628	\$51,778
Trades	22,147	\$36,035	\$39,598



12% of KY postsecondary completers are employed in our surrounding states 3-years post completion

*Out-of-State employment outcomes are limited to Indiana, Ohio, or Tennessee.

Source: <https://kystats.ky.gov/Latest/MSPSR>



Multi-State Postsecondary Feedback Report: NKU

Filter the Dashboard by Institution ▼

Filter the Dashboard by Years Post Completion ▼

Filter Wages by Percentile ▼

Northern Kentucky University

3-Years Post Completion

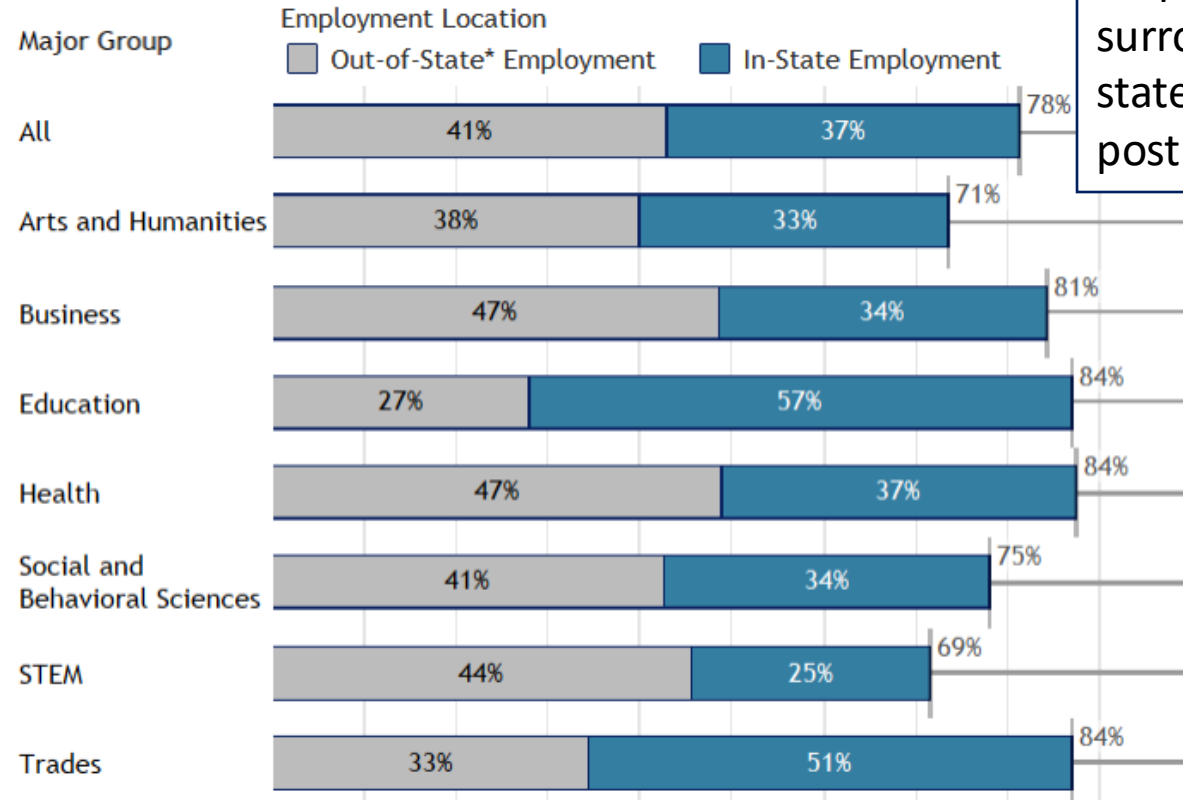
Median Wage

41% of NKU postsecondary completers are employed in our surrounding states 3-years post completion

Employment Outcomes by Major Group

This section provides qualifying employment outcomes for each major group. Major groups are categories that each contain several majors.

Major Group	Completer Count	In-State Median Wage	Out-of-State* Median Wage
All	21,603	\$46,563	\$47,518
Arts and Humanities	3,001	\$33,614	\$34,585
Business	6,421	\$47,830	\$50,901
Education	2,817	\$49,642	\$41,576
Health	2,911	\$58,492	\$59,308
Social and Behavioral Sciences	3,732	\$41,694	\$44,763
STEM	2,019	\$50,292	\$54,552
Trades	702	\$37,318	\$37,406



*Out-of-State employment outcomes are limited to Indiana, Ohio, or Tennessee.



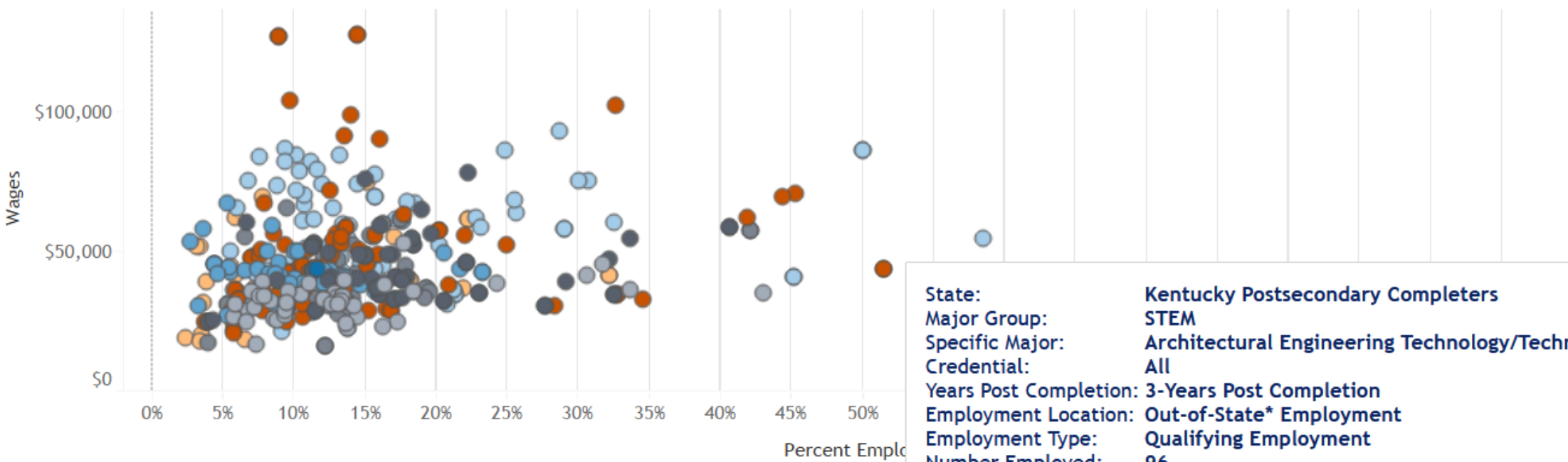
Source: <https://kystats.ky.gov/Latest/MSPSR>

Multi-State Postsecondary Feedback Report: 6-digit CIP

Employment Outcomes by Specific Major

Filter by Years Post Completion ▼ 3-Years Post Completion
 Filter by Employment Location ▼ Out-of-State* Employment
 Filter by Major Group ▼ (All)
 Filter by Specific Major ▼ (All)

- All Majors
- Business
- Health
- STEM
- Arts and Humanities
- Education
- Social and Behavioral Sciences
- Trades



Source: <https://kystats.ky.gov/Latest/MSPSR>



Links



Scan the tag to visit the Multi-State Postsecondary Report (MSPSR)



Scan the tag to learn more about the University of Maryland Executive Certificate Course based on expanding the MSPSR

Rhode Island Longitudinal Data System

Padmashri Saravanan



RHODE ISLAND
LONGITUDINAL DATA SYSTEM

Purpose



RHODE ISLAND
LONGITUDINAL DATA SYSTEM

The Rhode Island Longitudinal Data System (RILDS) integrates and links data across sectors and over time to support research aligned with the state's priorities, **inform policymaking and program evaluation**, and improve the well-being of all Rhode Islanders. In short, RILDS is the state's central repository for linked, interagency, longitudinal data.

EMPLOYMENT

CIVIC
MANAGEMENT

HEALTH & HUMAN
SERVICES

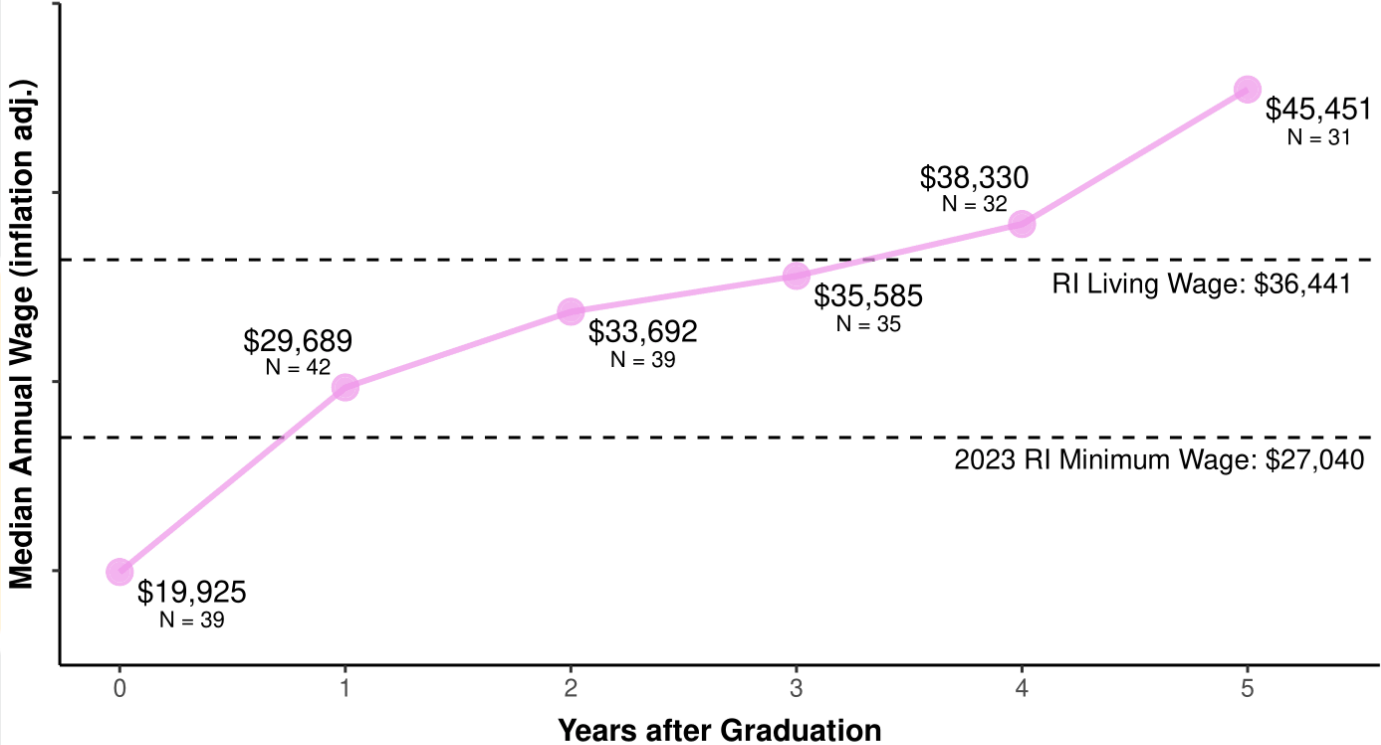
EDUCATION

Centralizes data using a custom-built machine learning algorithm

Data Story: Higher Education Outcomes of Youth involved with Foster Care

Median Wages of Postsecondary Graduates by Year following Graduation

Median annual wages of youth involved in foster care who graduate from postsecondary exceed minimum wage one year following graduation and exceed living wage four years following graduation

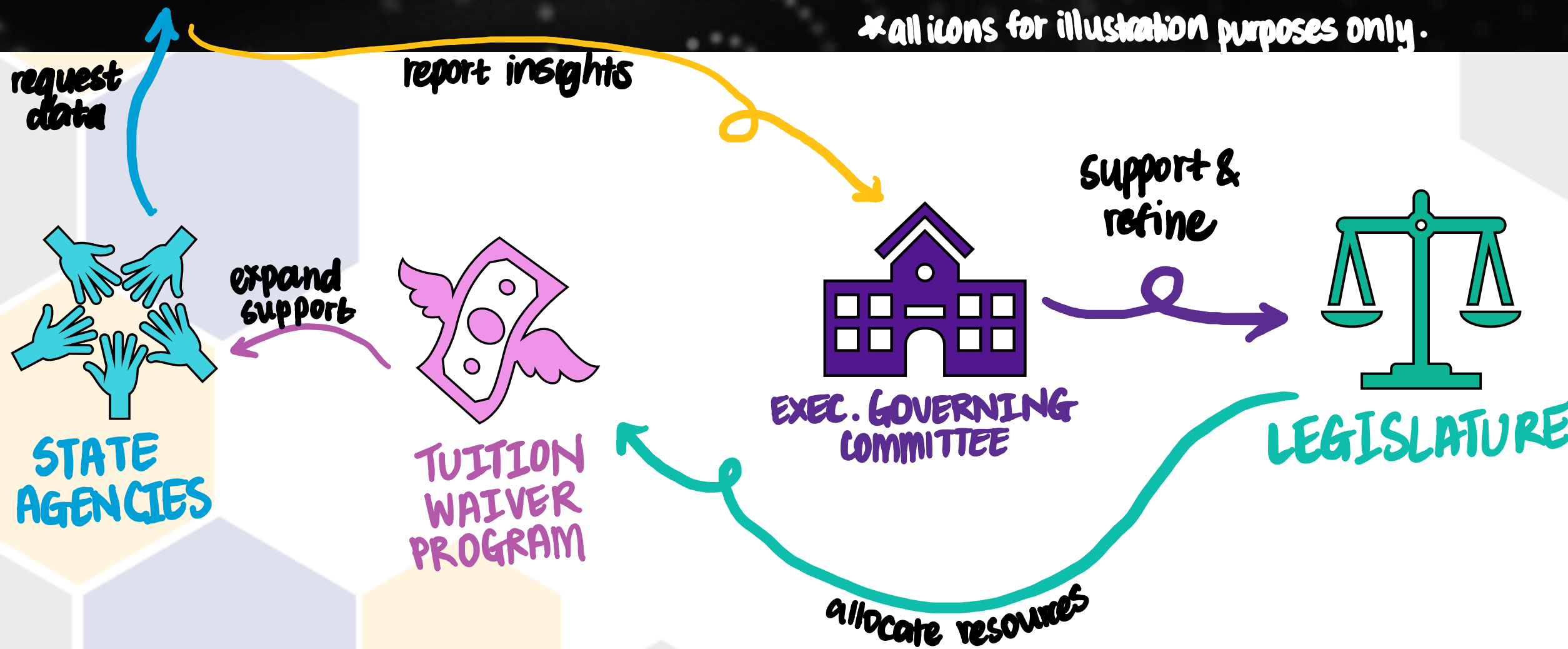


Note: (1) Data includes youth involved in foster care who graduated from postsecondary by age 26 prior to September 2017. (2) Median annual wages are inflation adjusted to 2023 dollars. (3) RI Living Wage calculated using MIT Living wage (livingwage.mit.edu/)

- Cohort of 3,562 individuals
- 5 critical questions:
 - Demographics
 - Enrollment patterns at postsecondary institutions
 - Persistence rates in postsecondary enrollment
 - Attainment of certificates or degrees
 - Employment landscape comparison
- Data Contributing Agencies:
 1. Department of Children, Youth & Families
 2. National Student Clearinghouse data from the Rhode Island Department of Education
 3. Office of the Postsecondary Commissioner
 4. Department of Labor and Training



*all icons for illustration purposes only.





RHODE ISLAND
LONGITUDINAL DATA SYSTEM

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New Jersey Statewide Data System

NJSDS Overview





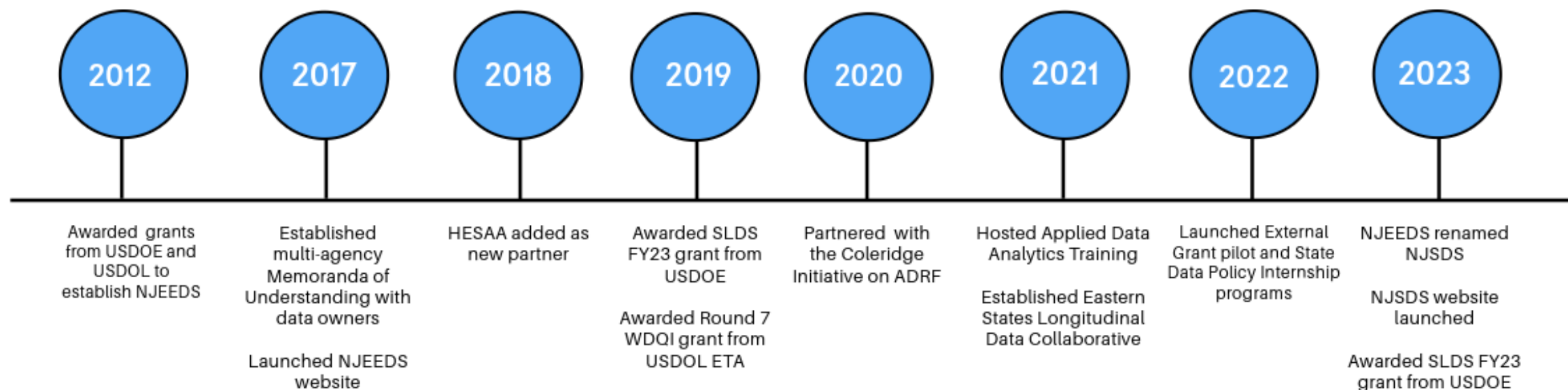
Introduction

- The New Jersey Statewide Data System (NJSDS) is the State of New Jersey's centralized longitudinal data system for administrative data. Formed in 2012, NJSDS connects people to data to improve policy outcomes by providing access to information in support of research and evaluation.

NJSDS aims to help the public and stakeholders make data-informed decisions to improve public policies and practices for New Jersey residents. This includes facilitating longitudinal and linked-data research, providing statistical data, and publishing reports on the NJSDS website.



History of NJSDS



Governing Bodies



Executive Leadership Committee

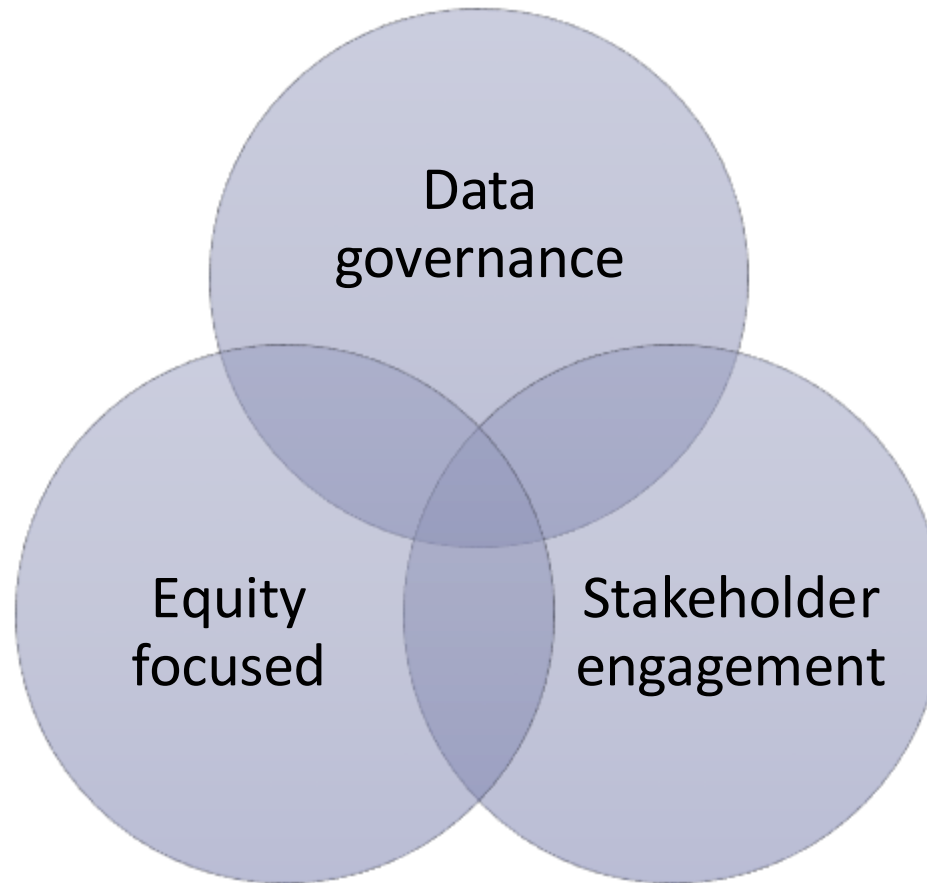
Data Stewards Work Group

Data Advisory Council

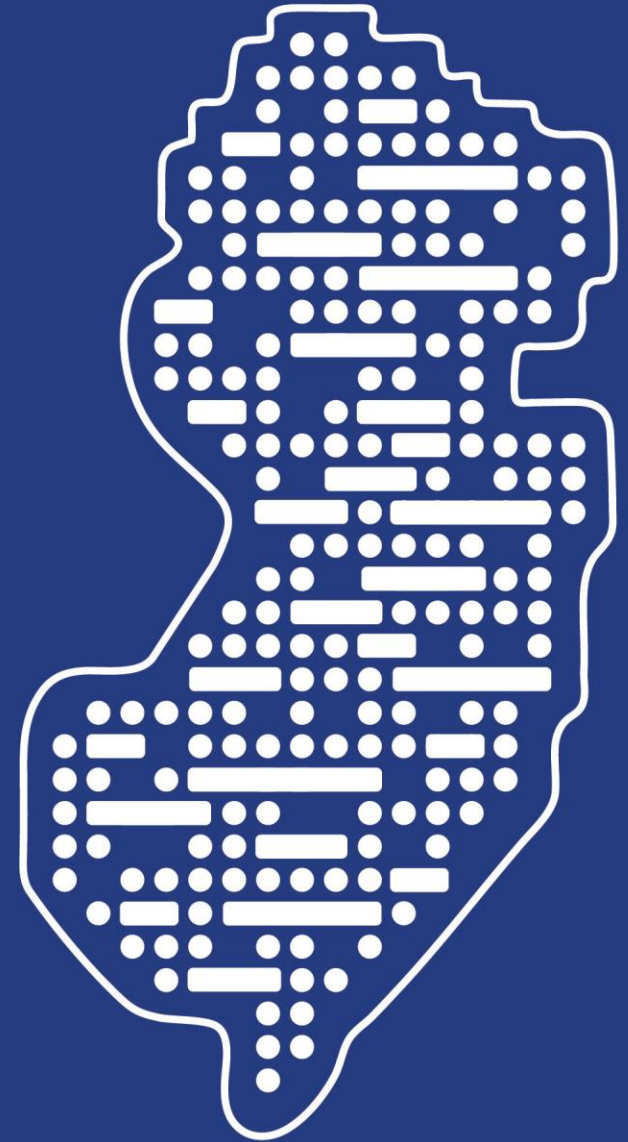
Longitudinal Data Advisory Committee



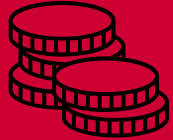
Current Research Agenda



NJSDS Projects



Project Spotlight



Financial Aid Outcome



Tuition Aid Grant (TAG)

Output: graduation rate
Input: TAG vs general student population
Control: degree level, enrollment year
Product: dashboard

Tuition Aid Grant (TAG)

Output: graduation rate
Input: TAG vs comparable student population
Control: demographics, socio-economics, enrollment, award characteristics, institution characteristics
Product: white paper

Enhanced financial aid

Output: persistence, transfer, graduation, and employment
Input: types of financial aid
Control: demographics, institution characteristics
Product: dashboard



THANK YOU!

