









OHFA'S MISSION

We Open the Doors to an Affordable Place to Call Home.

- Attended team meetings
- Learned about current projects
- Introduced to Tableau + GIS

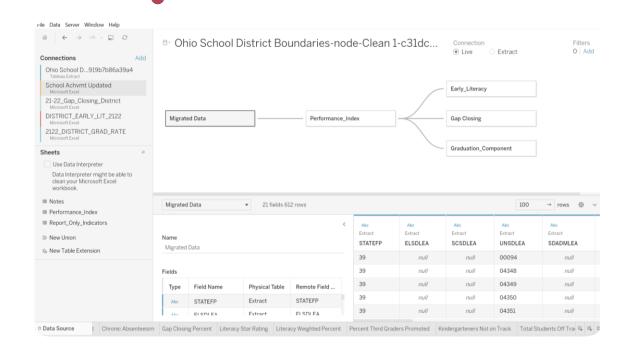
QAP Education Maps

- Qualified Action Plan (QAP) used to determine criteria for selecting housing tax credit awards
- Maps based on ODE report card data
- Show attributes of different school districts
- Info could be used to design school criteria for QAP



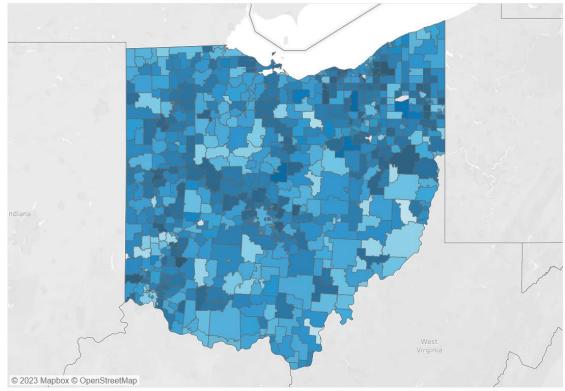
Data Source

- Process: obtained file for district boundaries through National Center of Educational Statistics (NCES)
 - Cleaned in tableau prepremoved unnecessary values, manually changed some district boundaries
- ODE data: corrected names of school districts (spelling errors, variations in hyphens, prefixes)
- Connected NCES by district name to ODE, ODE to rest of data by district IRN



Student Performance Comparison

Gap Closing Percent

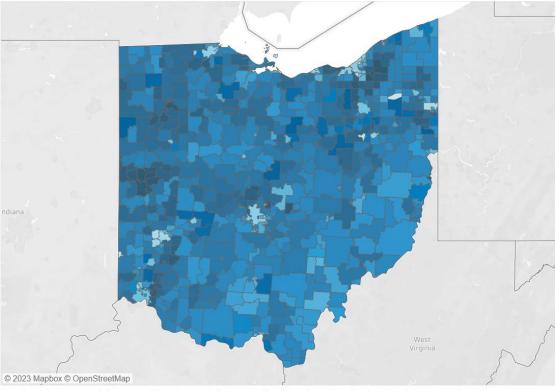


Map based on Longitude (generated) and Latitude (generated). Color shows details about Gap Closing Percent. Details are shown for UNSDLEA and District Name. The data is filtered on Disaggregation, which keeps All Students.

Gap Closing Pe..

8.80 100.00

Achievement Percent



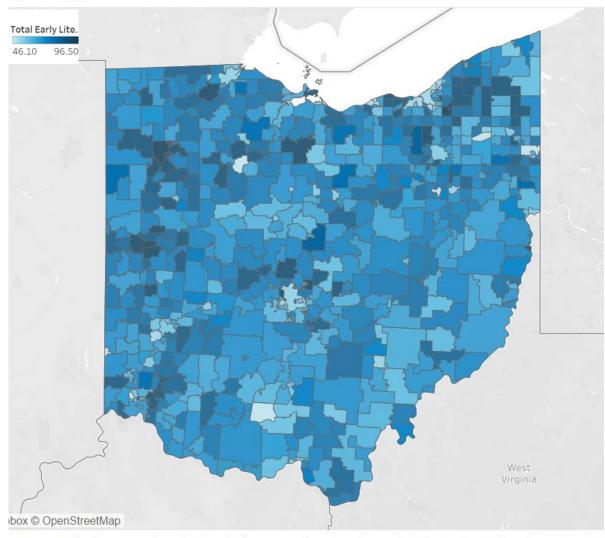
Map based on Longitude (generated) and Latitude (generated). Color shows details about Performance Index Percent 2021-2022. Details are shown for UNSDLEA and District Name.

Performance In..

40.30 102.70

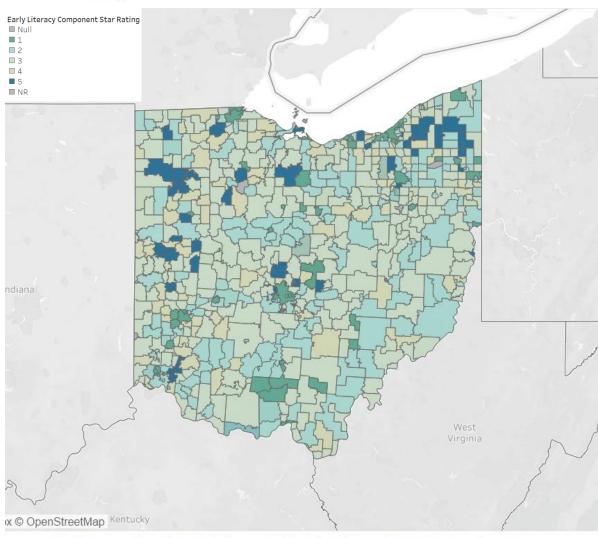
State Literacy Data

cy Weighted Percent



on Longitude (generated) and Latitude (generated). Color shows details about Total Early Literacy Williams. Details are shown for District Name and UNSDLEA.

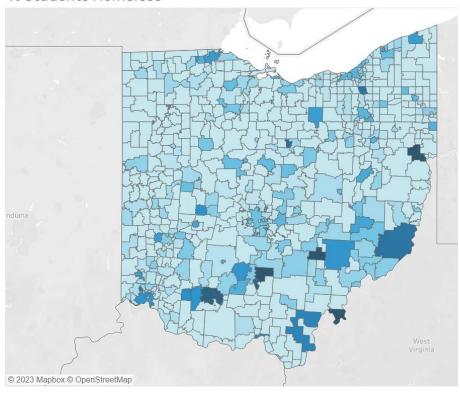
/ Star Rating



1 Longitude (generated) and Latitude (generated). Color shows details about Early Literacy Componer 10wn for UNSDLEA and District Name.

Other Maps

% Students Homeless



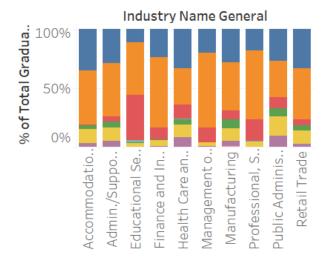
- Achievement Rating
- Achievement Percent
- Chronic Absenteeism
- Gap Closing Percent
- Literacy Weighted Percent
- Percent of Third Graders Promoted
- Kindergarteners Not on Track
- Total Students Off Track
- Graduation Rate
- Graduation Star Rating
- Students Experiencing Homelessness

OERC Higher Education Employment Data

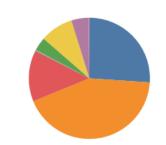
General Demographic Findings¹

- Similar to existing dashboards
- Common industries
 associated with each award
- Number of awards in each category earned
- Changes in distribution of awards over time
- Highest earning industries

Industry by Award Group



Graduates per Program



Award Group

Associate's d..Bachelor's de..

Graduate deg..

■ Graduate-lev..■ Industry Cre..

Less than fou..

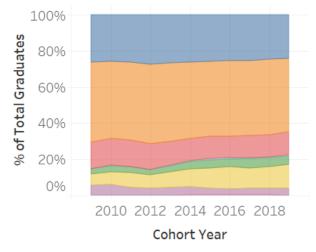
State License

Technical Ass..

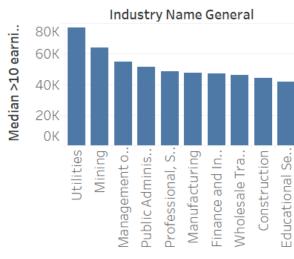
Cohort Year 2009 to 2019

and Null values

Graduates by Year



Earnings by Industry





Are Top Industries Also The Most Lucrative?

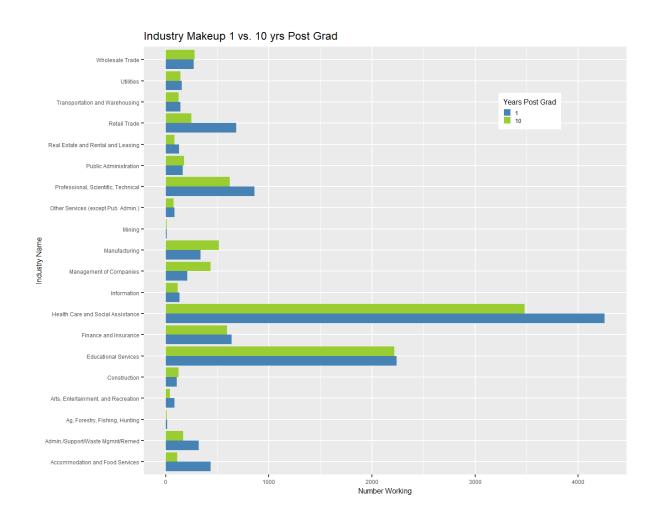
Average Earnings			
Year	Management of Companies	Mining	Utilities
2009	\$62,042	\$70,824	\$82,943
2010	\$63,325	\$66,833	\$85,987
2011	\$60,655	\$62,464	\$80,364
2012	\$59,591	\$73,933	\$79,920
2013	\$57,060	\$47,400	\$74,806
2014	\$58,585	\$61,675	\$77,966
2015	\$57,397	\$54,000	\$70,028
2016	\$55,049	\$48,600	\$70,639
2017	\$53,400		\$81,696
2018	\$50,809	\$65,250	\$79,013
2019	\$50,466		\$77,483
Grand Total	\$58,976	\$65,145	\$79,208

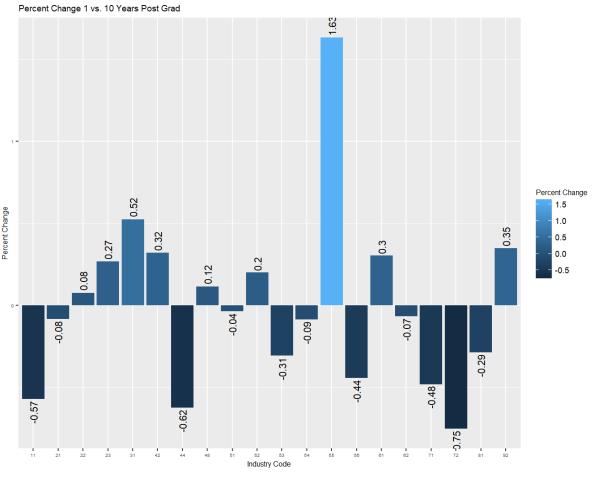
Number Found Working												
Year	Management of Companies	Mining	Utilities									
2009	2.72%	0.05%	0.41%									
2010	2.83%	0.04%	0.48%									
2011	3.06%	0.03%	0.34%									
2012	2.82%	0.01%	0.28%									
2013	2.76%	0.01%	0.13%									
2014	2.79%	0.01%	0.15%									
2015	2.76%	0.01%	0.23%									
2016	2.65%	0.01%	0.12%									
2017	2.69%	0.00%	0.28%									
2018	2.49%	0.02%	0.29%									
2019	2.34%	0.00%	0.18%									
Grand Total	2.79%	0.02%	0.28%									

	Column 1	Column 2
Column 1	1	
Column 2	-0.14281	1

 Very weak negative relationship (correlation) between industry distribution and earnings

Evolution of Different Career Paths²





Relationship Between Degree Subject and Industry

Industry Name General	Business, Management, Marketing, and Related	Computer and Information Sciences an	Education	Engineering Technologies and Engin o	Health Professions and of Related Programs N	Homeland Security, Law B Enforcement, Firefighti B	Legal Professions and Extudies	Parks, Recreation, Leisure, and Fitness Stu	Social Sciences	Visual and Performing Arts
Arts, Entertainment, and Recreation	12%	8%	10%	8%	15%	14%	7%	10%	7%	10%
Construction	14%	10%	9%	11%	15%	14%	7%	7%	6%	8%
Wholesale Trade	13%	11%	9%	9%	15%	13%	7%	8%	6%	10%
Accommodation and Food Services	13%	9%	9%	8%	14%	13%	8%	8%	8%	10%
Ag, Forestry, Fishing, Hunting	19%	5%	8%	10%	23%	17%	1%	4%	6%	7%
Information	13%	12%	10%	9%	15%	11%	8%	7%	7%	10%
Mining	23%	10%	4%	15%	15%	17%	4%	4%	7%	1%
Other (combined small categories)	28%	6%	8%	5%	23%	4%	3%	8%	9%	6%
Public Administration	11%	8%	9%	8%	15%	14%	10%	8%	9%	8%
Real Estate and Rental and Leasing	13%	9%	8%	10%	16%	12%	8%	8%	7%	9%
Utilities	18%	8%	6%	14%	14%	18%	3%	5%	10%	4%
Admin./Support/Waste Mgmnt/Remed	12%	10%	9%	9%	15%	12%	9%	8%	8%	9%
Educational Services	12%	10%	10%	9%	14%	12%	9%	8%	8%	9%
Finance and Insurance	13%	9%	9%	7%	15%	12%	11%	8%	7%	8%
Health Care and Social Assistance	12%	10%	10%	7%	14%	12%	10%	8%	9%	8%
Management of Companies	12%	10%	9%	9%	15%	12%	10%	7%	7%	9%
Other Services (except Pub. Admin.)	13%	8%	10%	8%	15%	12%	8%	9%	8%	9%
Professional, Scientific, Technical	12%	11%	9%	9%	14%	11%	10%	7%	9%	9%
Retail Trade	12%	10%	9%	8%	14%	12%	9%	8%	8%	9%
Transportation and Warehousing	13%	10%	9%	10%	14%	13%	7%	8%	7%	9%
Manufacturing	13%	10%	8%	11%	13%	12%	8%	7%	7%	9%

% of Total Count of Subject Name General broken down by Subject Name General vs. Industry Name General. Color shows % of Total Count of Subject Name General. The marks are labeled by % of Total Count of Subject Name General. The data is filtered on Years Post Grad, Cohort Year and Award Group. The Years Post Grad filter ranges from 1 to 10. The Cohort Year filter ranges from 2009 to 2019 and keeps Null values. The Award Group filter keeps 8 of 8 members. The view is filtered on Subject Name General, which keeps 10 of 41 members. Percents are based on each row of the table.



Award Group

Years Post Grad

Cohort Year

% of Total CNT(Subject...

10

2019

(AII)

2009

Further Research

- Relationship between award and outcome
- Breakdown of graduate demographics
- How Ohio colleges/programs influence degree and industry outcomes
- Scholar housing and education data

Appendix & Questions

1. Distribution of Awards

Proportion of Graduates Y	ear 🔼											
Award Type	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019 6	rand Total
Associate's degree	22.26%	21.23%	21.34%	21.93%	22.05%	19.66%	20.45%	20.74%	21.07%	20.64%	21.11%	21.28%
Bachelor's degree	28.18%	27.65%	26.23%	26.69%	25.63%	23.71%	24.63%	24.23%	24.43%	24.07%	24.62%	25.99%
Graduate degree	18.74%	18.12%	18.30%	18.37%	17.88%	17.09%	16.72%	16.66%	16.55%	17.24%	16.73%	17.79%
Graduate-level certificate	4.15%	3.75%	3.51%	3.72%	3.89%	4.10%	4.18%	4.09%	3.94%	3.96%	4.42%	3.90%
Industry Credential	6.38%	6.79%	6.96%	6.70%	6.81%	8.71%	8.61%	7.69%	7.83%	7.72%	7.31%	7.24%
Less than four-year certif	15.73%	18.01%	19.00%	18.53%	18.92%	18.60%	17.91%	18.29%	18.36%	19.09%	19.04%	18.12%
State License	3.00%	3.05%	3.17%	2.84%	3.07%	4.28%	3.89%	3.87%	3.83%	3.41%	3.61%	3.34%
Technical Assessment	1.57%	1.41%	1.50%	1.23%	1.76%	3.84%	3.61%	4.43%	4.00%	3.87%	3.17%	2.32%
Grand Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

2. Percent of Total Graduates in Each Industry

Sum of >10 foun Co	Accommodation and Food umposervices	Admin./Support/Waste Mgmnt/Remed	Ag, Forestry, Fishing, Hunting	Arts, Entertainment, and Recreation	Construction	Educational Services	Finance and Insurance	Health Care and Social Assistance	Information	Management of Companies	Manufacturing	Mining	Other Services (except Pub. Admin.)	Professional, Scientific, Technical	Public Administration	Real Estate and Rental and Leasing	Retail Trade	Transportation and Warehousing	Utilities	Wholesale Trade	Grand Total
1	6.89%	5.15%	0.07%	1.60%	1.97%	12.45%	3.74%	31.26%	1.53%	2.09%	6.88%	0.01%	1.79%	7.58%	2.81%	0.69%	9.43%	1.56%	0.19%	2.33%	100.00%
2																					100.00%
3																					100.00%
4	3.45%	4.04%	0.04%	1.05%	2.00%	15.15%	4.72%	32.57%	1.63%	2.92%	8.11%	0.03%	1.45%	7.80%	3.53%	0.71%	6.13%	1.58%	0.27%	2.82%	100.00%
5	2.96%	3.76%	0.03%	0.99%	1.95%	15.83%	4.94%	32.57%	1.63%	3.08%	8.35%	0.02%	1.45%	7.73%	3.62%	0.71%	5.60%	1.57%	0.30%	2.90%	100.00%
6	2.64%	3.50%	0.02%	0.92%	2.00%	16.54%	5.09%	32.29%	1.65%	3.16%	8.54%	0.02%	1.38%	7.76%	3.74%	0.68%	5.23%	1.52%	0.32%	3.01%	100.00%
7	2.32%	3.34%	0.01%	0.87%	2.02%	17.06%	5.33%	32.02%	1.66%	3.26%	8.64%	0.02%	1.33%	7.72%	3.87%	0.66%	4.89%	1.55%	0.37%	3.06%	100.00%
8	2.12%	3.24%	0.02%	0.81%	2.06%	17.52%	5.51%	31.29%	1.67%	3.42%	8.85%	0.02%	1.36%	7.59%	3.97%	0.65%	4.73%	1.56%	0.42%	3.20%	100.00%
9	1.99%	3.06%	0.01%	0.77%	2.08%	18.00%	5.49%	31.03%	1.67%	3.51%	8.95%	0.03%	1.24%	7.57%	4.09%	0.64%	4.59%	1.57%	0.47%	3.24%	100.00%
10	1.87%	2.90%	0.01%	0.72%	2.08%	18.85%	5.57%	30.99%	1.57%	3.49%	8.85%	0.01%	1.32%	7.39%	4.18%	0.55%	4.34%	1.62%	0.52%	3.16%	100.00%
Grand Total	4.11%	4.13%	0.04%	1.16%	2.00%	14.91%	4.61%	31.94%	1.61%	2.79%	7.92%	0.02%	1.53%	7.76%	3.44%	0.69%	6.75%	1.57%	0.28%	2.75%	100.00%

