

Extension Area 12: Economic Overview

Logan, Union, Champaign, Clark, and Madison Counties

Report prepared September 2021 by Eric Romich, Associate Professor, OSU Extension Community Development

Regional Industry Sector Overview

Table 1 below ranks the top 10 industries in Area 12 by total output. Total output represents the total production value of an industry including intermediate inputs, employee compensation, proprietor income, taxes on production and imports, and other property income. Automobile manufacturing was the highest ranked industry based on total output. The sector employed 6,197 with an output of over at \$7.715 billion and an average annual compensation of \$120,630. Of the top 10 industries by total output, the sector with the most employees in the region was employment services with 8,148 employees. The average annual income for these workers was \$37,586 per year.

Owner-occupied dwellings had the third greatest total output at \$1.331 billion. The owner-occupied dwellings sector represents the wealth generated from home ownership. Owning and maintaining a home is also a major area of spending and the owner-occupied dwellings sector captures that economic effect. However, there is no employment or labor income generated in the owner-occupied dwellings sector, as the employment positions such as property managers and real estate agents is captured in the other real estate sector.



Key Stats

- Population 322,359
- Total of 334 Industries
- Total Employment of 174,681
- Gross Domestic Product \$15.6B

Data retrieved from IMPLAN (2018 & 2019 data)

Table 1: Top 10 Industry Sectors by Total Output

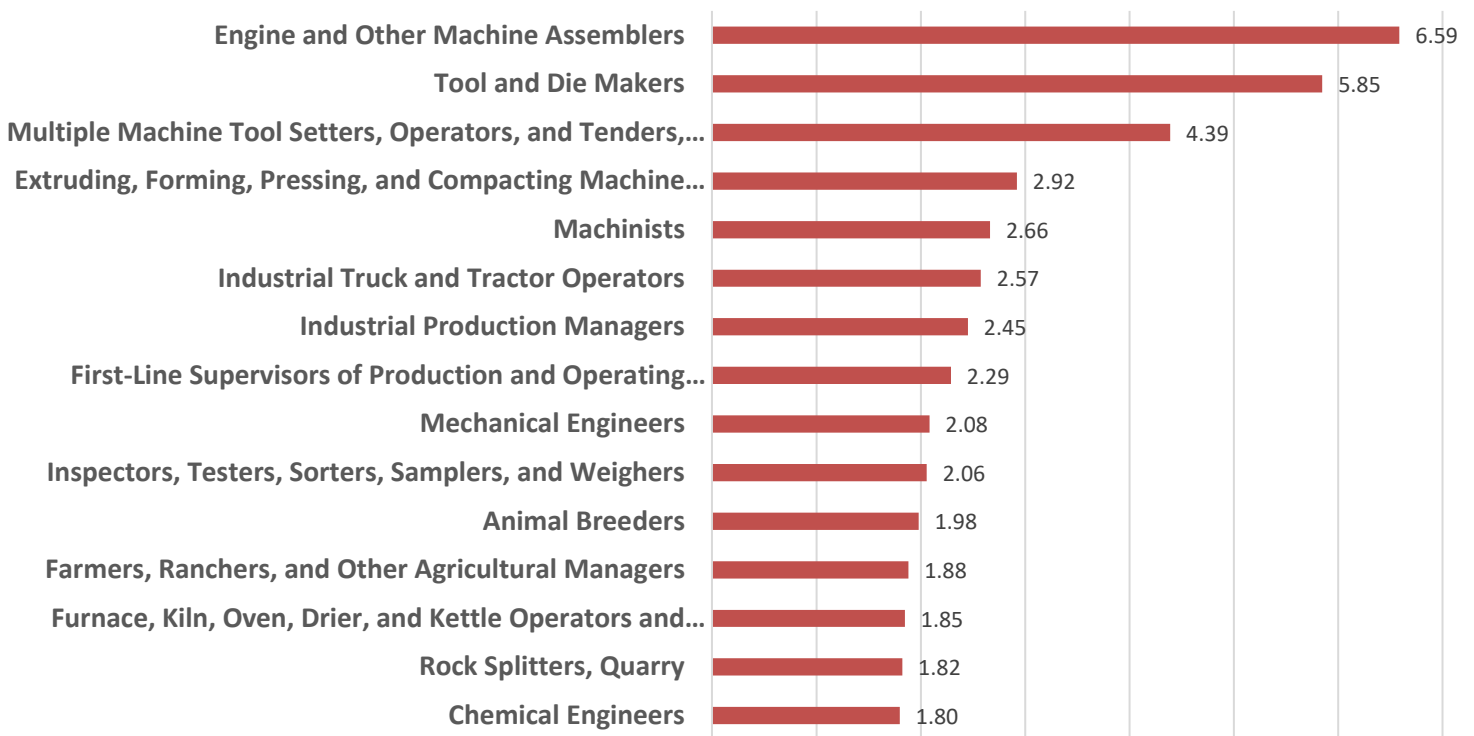
| Industry Description | Output | Total Employment | Average Employee Compensation |
|---|-----------------|------------------|-------------------------------|
| Automobile manufacturing | \$7,715,147,338 | 6,197 | \$120,630 |
| Heavy duty truck manufacturing | \$2,348,542,466 | 2,304 | \$84,459 |
| Owner-occupied dwellings | \$1,331,468,832 | | |
| Nitrogenous fertilizer manufacturing | \$1,317,633,416 | 870 | \$205,825 |
| Scientific research and development services | \$1,313,845,079 | 5,999 | \$110,020 |
| Other motor vehicle parts manufacturing | \$1,170,114,231 | 2,565 | \$65,083 |
| Insurance carriers, except direct life | \$835,220,733 | 1,662 | \$53,791 |
| Motor vehicle electrical and electronic equipment manufacturing | \$808,512,366 | 1,733 | \$69,679 |
| Employment services | \$679,791,308 | 8,148 | \$37,586 |
| Employment and payroll of local govt, education | \$669,512,968 | 8,074 | \$72,453 |

Top 15 Occupations by Location Quotient

A location quotient (LQ) is a metric that compares the relative concentration of a local region's workers in a specific industry sector to the concentration of workers nationally in the same sector. An LQ equal to 1 signifies that the local share is equal to the national share, while an LQ greater than 1 means the local share is greater than the national share and is typically an exporter or perhaps has a specialization in that sector. Chart 1 below lists the top 15 occupations in Area 12 with the highest LQ, demonstrating a significant concentration of workers relative to the nation.

For example, with an LQ of 6.59 for engine and other machine assemblers in Area 12, the region has more than six and a half times the number of workers in that occupation compared to the national average. Where there is an occupational concentration, there also tends to be higher core competencies relative to other areas, creating a competitive advantage. In addition, training and education opportunities associated with the occupation are often readily available to meet hiring demands. The average hourly wages and salary income for these jobs in 2018 was \$22 per hour.

Chart 1- Occupation Location Quotient



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