Northern Michigan University
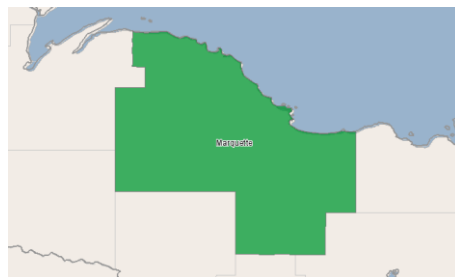
Center for Economic Education and Entrepreneurship

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2007-15 Marquette County:Human Capital (Skills)Report

Economic Modeling Specialists, Inc. www.economicmodeling.com
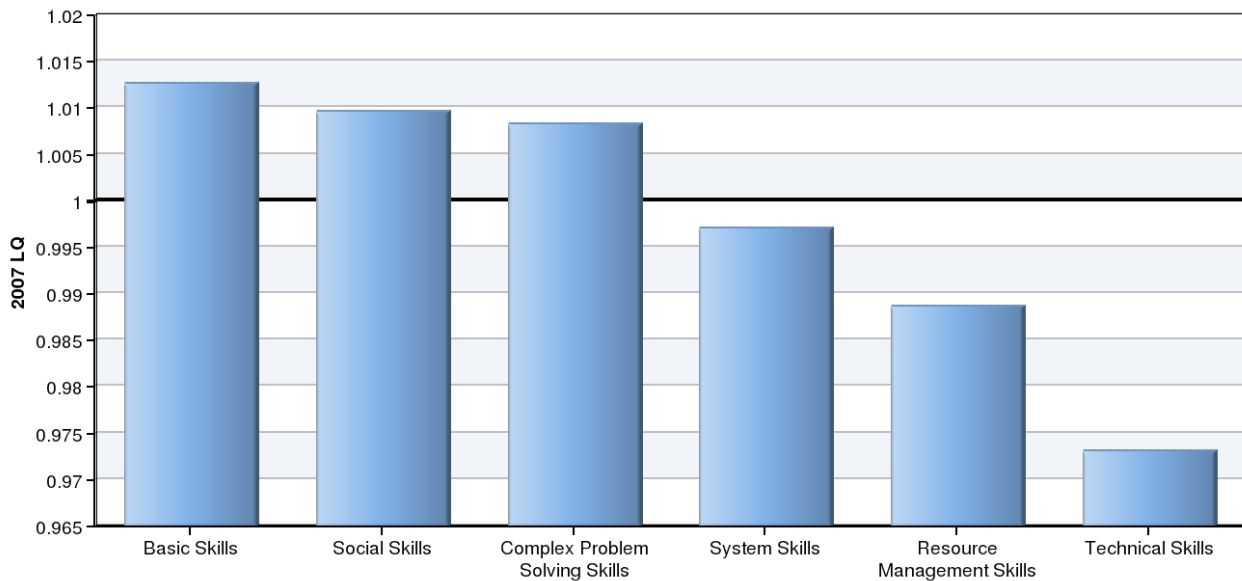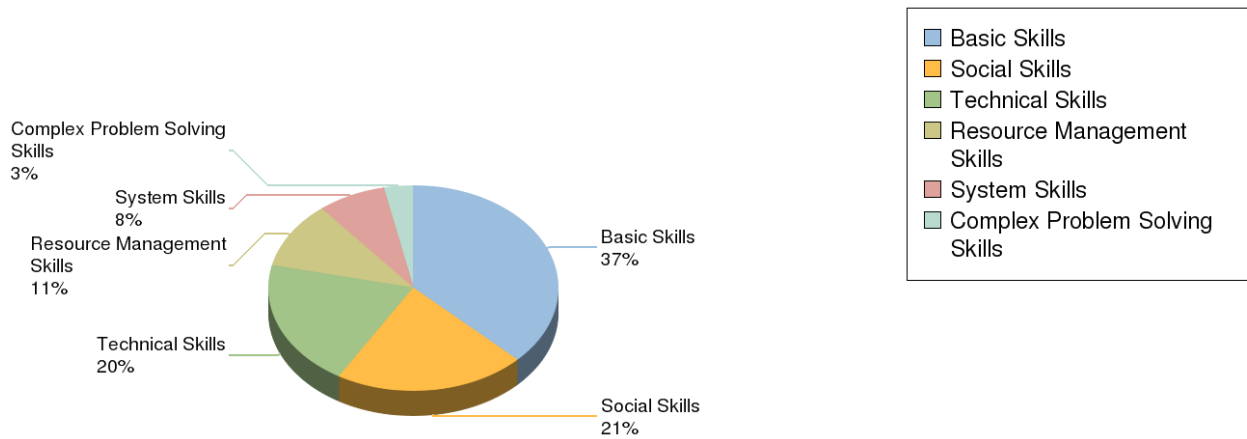
EMSI

Region Info

Region: Marquette County

County Areas: Marquette, Michigan (26103)

Skills Summary

Skills Sector	2007 % of All Skills	2007-2015 % Growth	2007 LQ	2015 LQ
Basic Skills	37%	11%	1.01	1.01
Social Skills	21%	11%	1.01	1.01
Complex Problem Solving Skills	3%	11%	1.01	1.01
System Skills	8%	11%	1.00	1.00
Resource Management Skills	11%	10%	0.99	0.99
Technical Skills	20%	9%	0.97	0.98

Source: U.S. Department of Labor / Employment and Training Administration, O*NET database version 13.

Basic Skills Concentrations

*Bubble size represents 2007 % of all skills. Skills are ranked by 2007 LQ.
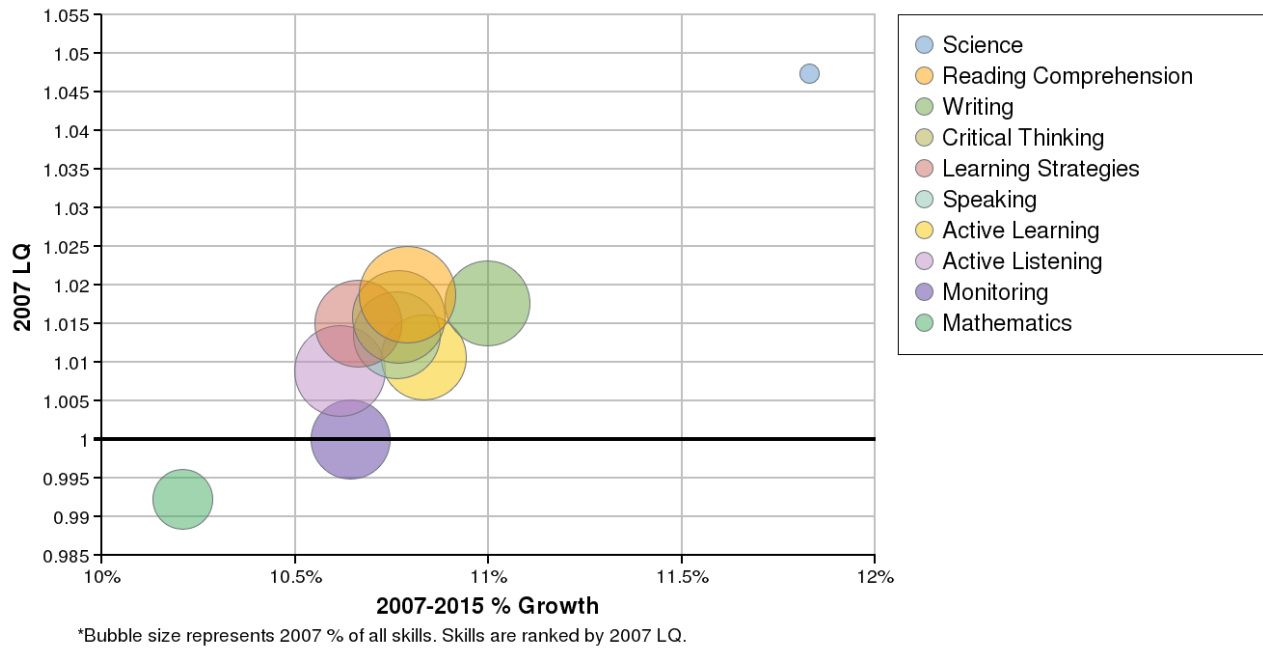
Skills	2007 % of All Skills	2007-2015 % Growth	2007 LQ	2015 LQ
Science	2%	11.83%	1.05	1.04
Reading Comprehension	4.27%	10.79%	1.02	1.02
Writing	3.91%	11%	1.02	1.01
Critical Thinking	4.14%	10.77%	1.02	1.01
Learning Strategies	3.98%	10.66%	1.01	1.01
Speaking	3.98%	10.76%	1.01	1.01
Active Learning	3.95%	10.83%	1.01	1.01
Active Listening	4.11%	10.62%	1.01	1.01
Monitoring	3.77%	10.64%	1.00	1.00
Mathematics	3.19%	10.21%	0.99	0.99

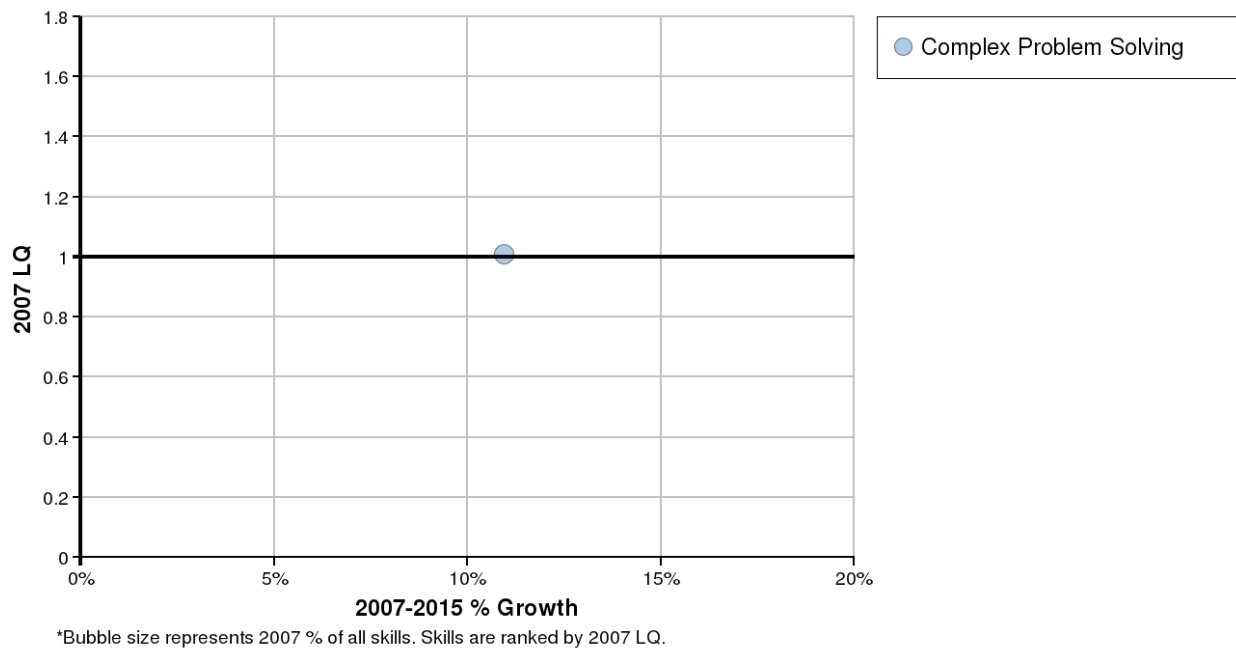Source: U.S. Department of Labor / Employment and Training Administration, O*NET database version 13.

Social Skills Concentrations

*Bubble size represents 2007 % of all skills. Skills are ranked by 2007 LQ.
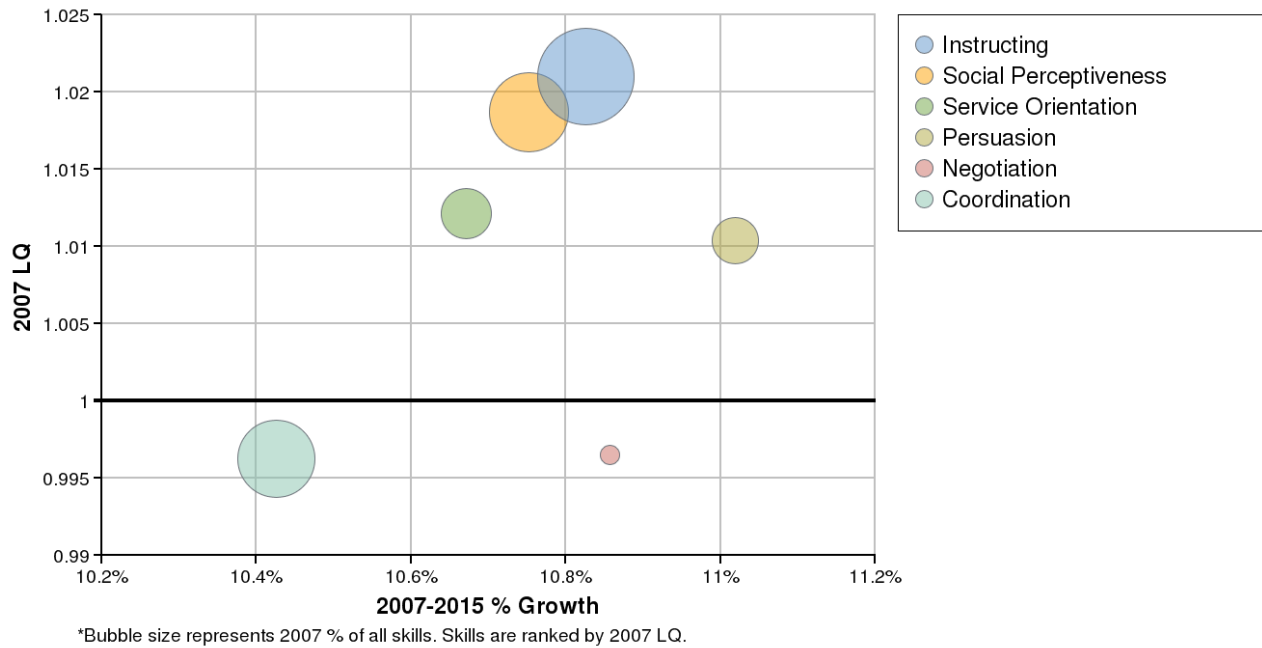
Skills	2007 % of All Skills	2007-2015 % Growth	2007 LQ	2015 LQ
Instructing	4.03%	10.83%	1.02	1.02
Social Perceptiveness	3.79%	10.75%	1.02	1.02
Service Orientation	3.39%	10.67%	1.01	1.01
Persuasion	3.32%	11.02%	1.01	1.01
Negotiation	2.93%	10.86%	1.00	1.00
Coordination	3.76%	10.43%	1.00	1.00

Source: U.S. Department of Labor / Employment and Training Administration, O*NET database version 13.

Complex Problem Solving Skills Concentrations

*Bubble size represents 2007 % of all skills. Skills are ranked by 2007 LQ.

Skills	2007 % of All Skills	2007-2015 % Growth	2007 LQ	2015 LQ
Complex Problem Solving	3.31%	10.94%	1.01	1.01

Source: U.S. Department of Labor / Employment and Training Administration, O*NET database version 13.

Technical Skills Concentrations


*Bubble size represents 2007 % of all skills. Skills are ranked by 2007 LQ.
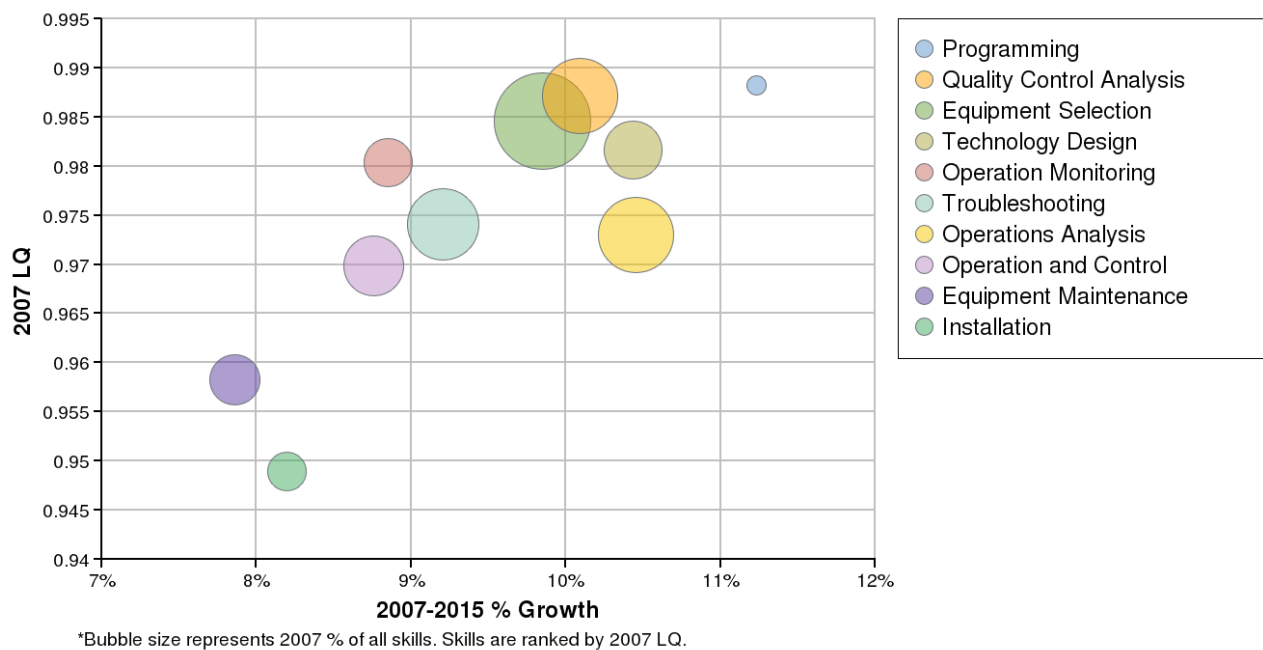
Skills	2007 % of All Skills	2007-2015 % Growth	2007 LQ	2015 LQ
Programming	0.95%	11.23%	0.99	0.98
Quality Control Analysis	2.21%	10.09%	0.99	0.99
Equipment Selection	2.7%	9.85%	0.98	0.99
Technology Design	1.85%	10.43%	0.98	0.98
Operation Monitoring	1.63%	8.85%	0.98	0.99
Troubleshooting	2.16%	9.21%	0.97	0.98
Operations Analysis	2.22%	10.45%	0.97	0.97
Operation and Control	1.86%	8.76%	0.97	0.98
Equipment Maintenance	1.68%	7.86%	0.96	0.97
Installation	1.41%	8.2%	0.95	0.95
Repairing	1.34%	7.22%	0.95	0.96

Source: U.S. Department of Labor / Employment and Training Administration, O*NET database version 13.

System Skills Concentrations

*Bubble size represents 2007 % of all skills. Skills are ranked by 2007 LQ.
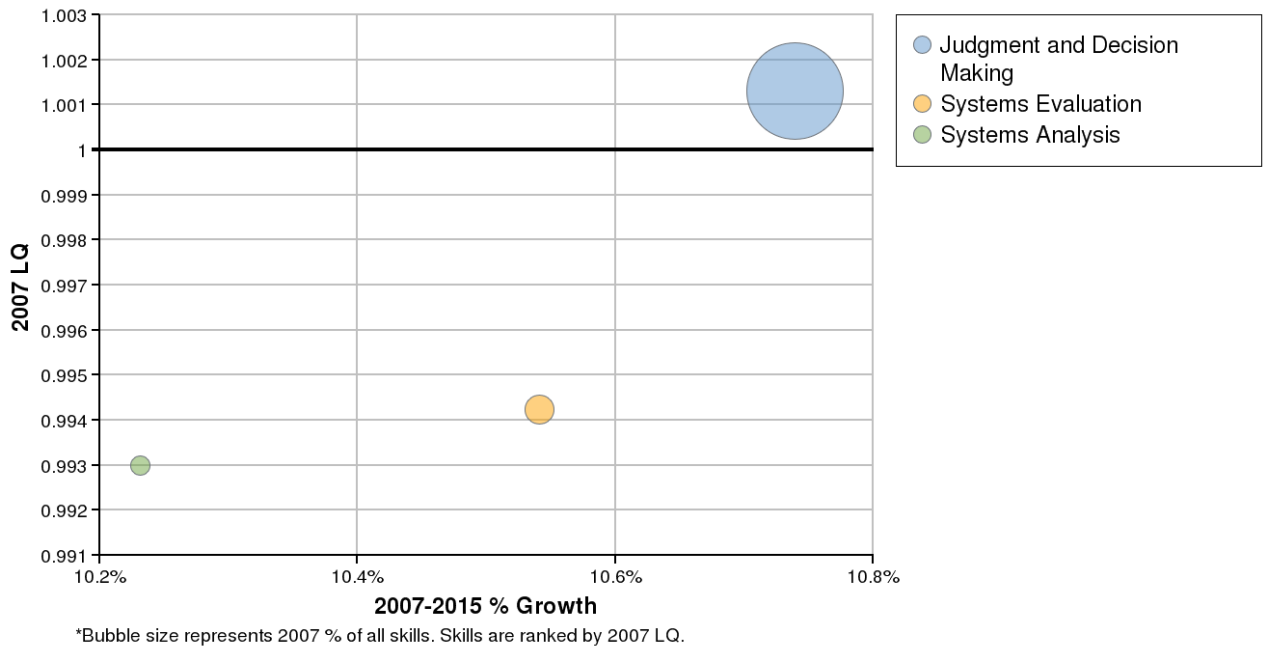
Skills	2007 % of All Skills	2007-2015 % Growth	2007 LQ	2015 LQ
Judgment and Decision Making	3.38%	10.74%	1.00	1.00
Systems Evaluation	2.2%	10.54%	0.99	1.00
Systems Analysis	2.03%	10.23%	0.99	1.00

Source: U.S. Department of Labor / Employment and Training Administration, O*NET database version 13.

Resource Management Skills Concentrations

*Bubble size represents 2007 % of all skills. Skills are ranked by 2007 LQ.
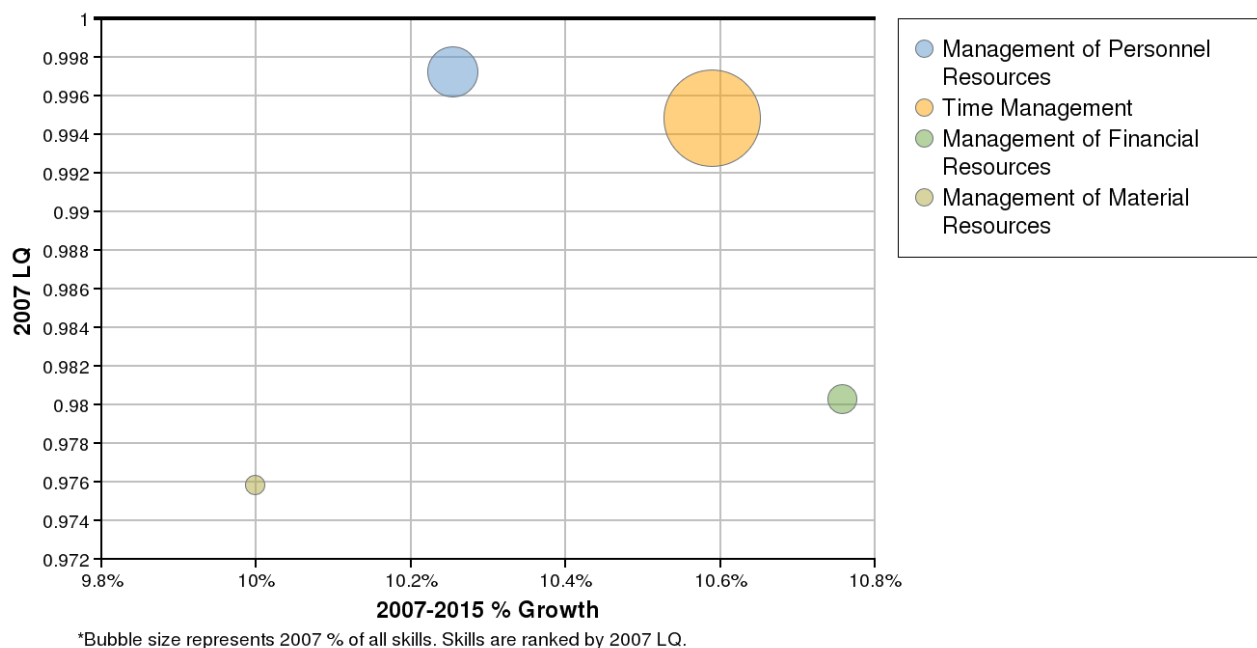
Skills	2007 % of All Skills	2007-2015 % Growth	2007 LQ	2015 LQ
Management of Personnel Resources	2.66%	10.25%	1.00	1.00
Time Management	3.66%	10.59%	0.99	0.99
Management of Financial Resources	2.21%	10.76%	0.98	0.98
Management of Material Resources	2.01%	10%	0.98	0.98

Source: U.S. Department of Labor / Employment and Training Administration, O*NET database version 13.

Data Sources and Calculations

Competency Data

The competency data in this report is taken directly from the O*NET database.

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

State Data Sources

This report uses state data from the following agencies: Michigan Department of Labor and Economic Growth, Bureau of Labor Market Information and Strategic Initiatives.