



# REGIONAL SNAPSHOT

Industry Cluster Analysis

Central Upper Peninsula Planning and Development  
Region, Michigan

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# 01 overview

**Central Upper Peninsula  
Planning and Development  
Region, MI**

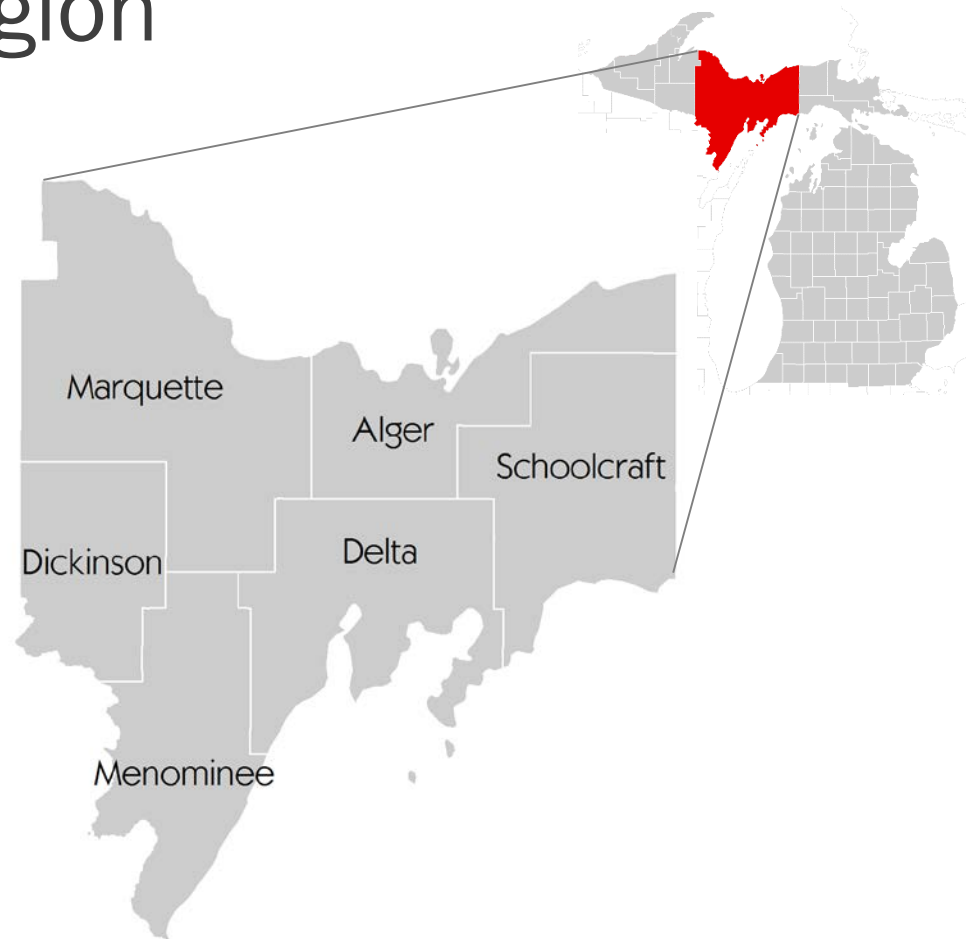
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## Overview

# Central Upper Peninsula Planning and Development Region

The Central Upper Peninsula Planning and Development Region is comprised of six Michigan counties. U.S. Highway 41 passes through the region connecting to I-43 to the south.

- Alger
- Delta
- Dickinson
- Marquette
- Menominee
- Schoolcraft



# 02 Industry cluster analysis

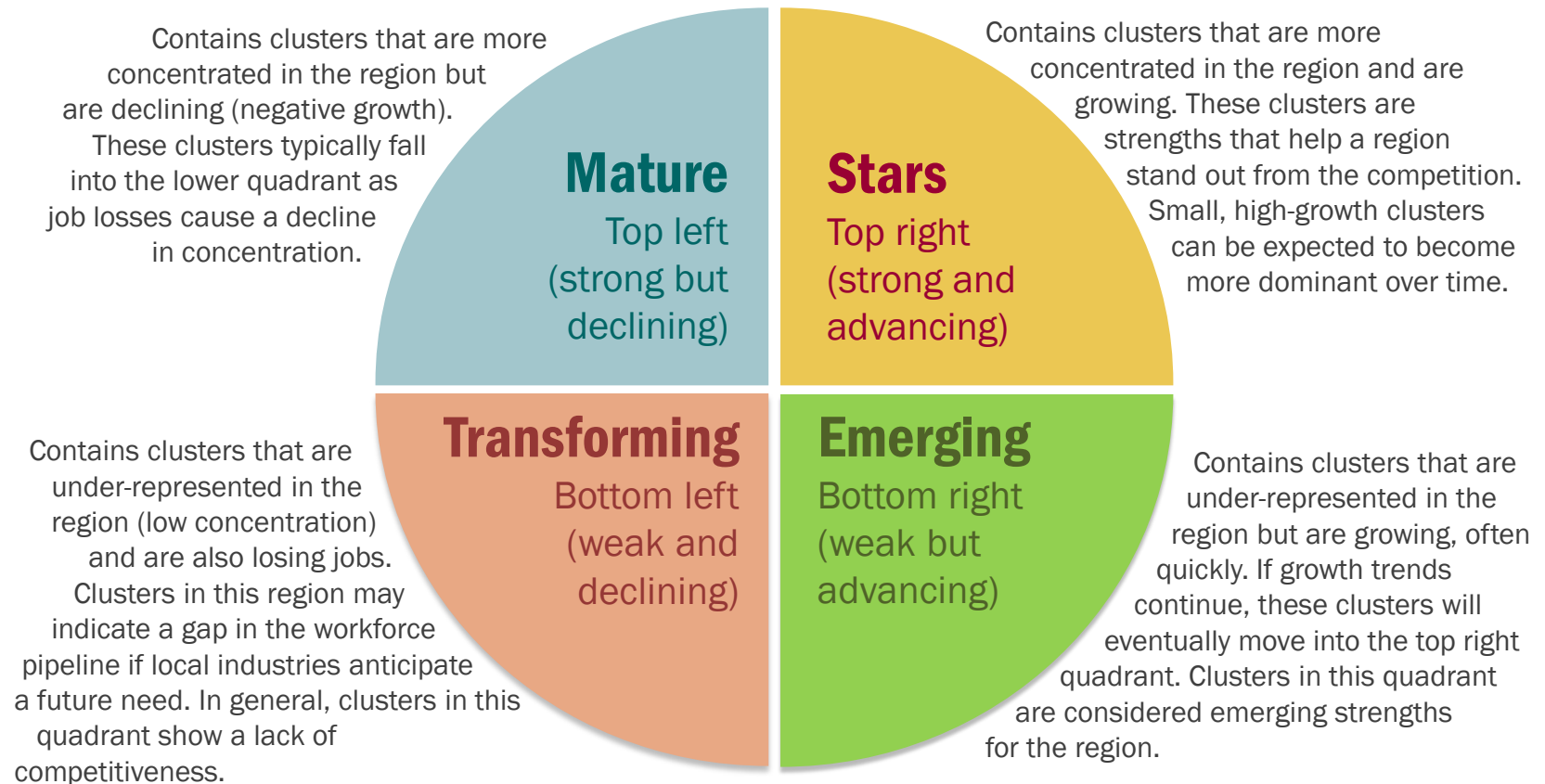
**Central Upper Peninsula  
Planning and Development  
Region, MI**

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## Industry cluster analysis

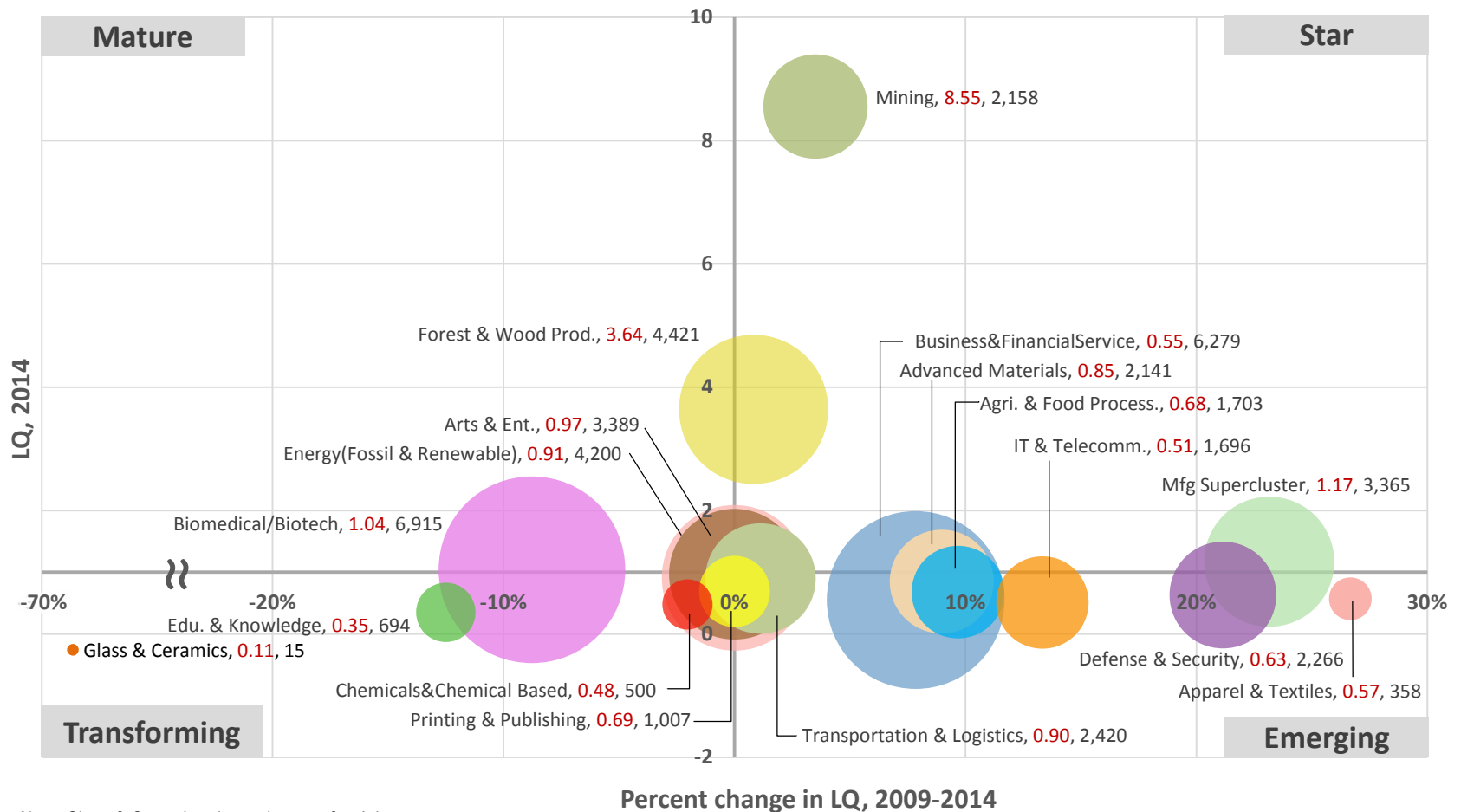
# How to interpret cluster data results

The graph's four quadrants tell a different story for each cluster.



## Industry and occupation

# Industry cluster bubble chart



Note: Glass & Ceramics cluster has too few jobs.

## Industry and occupation

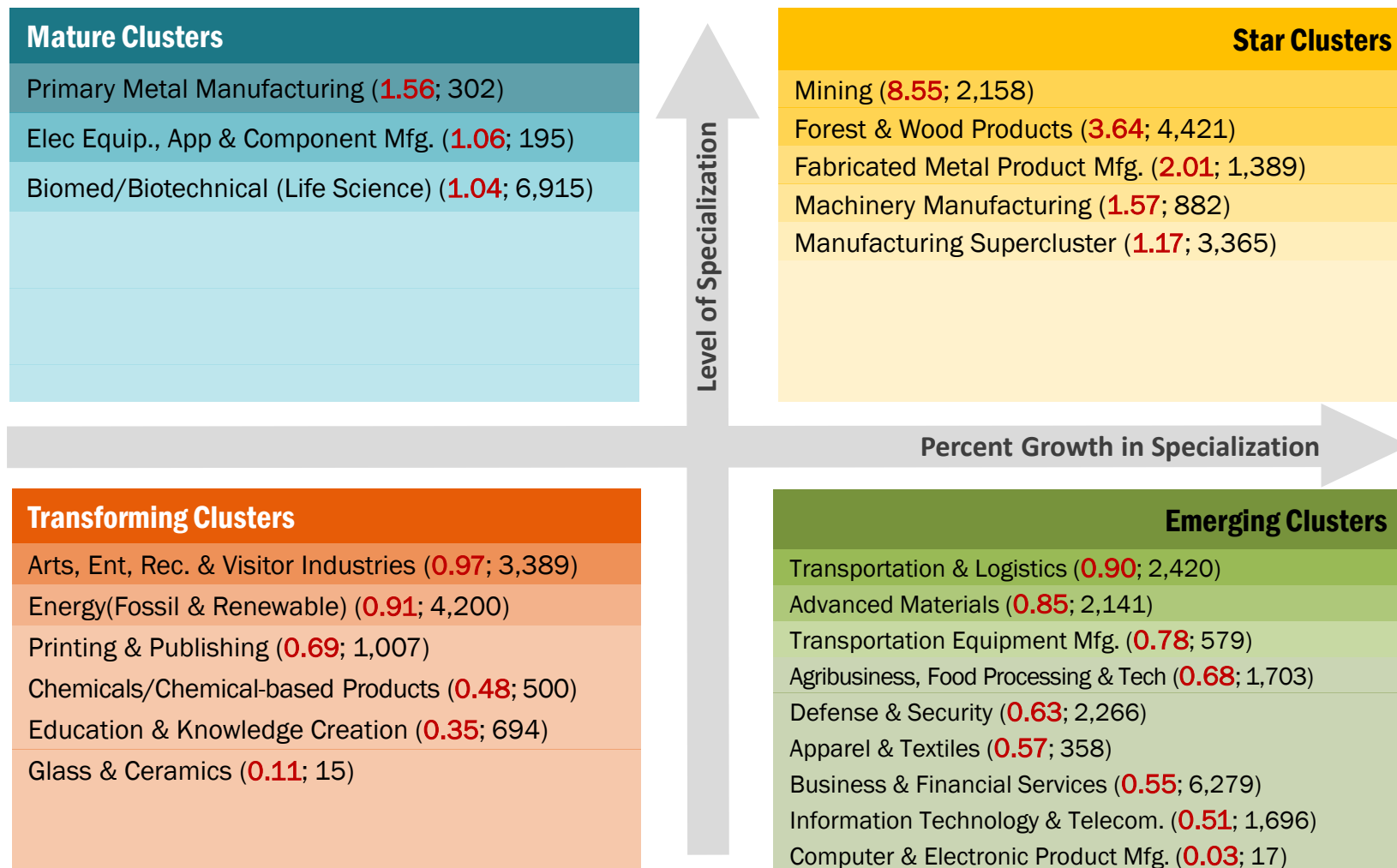
# Manufacturing sub-cluster bubble chart



Note: Computer & Electronic Product Manufacturing sub-cluster has too few jobs.



## Industry cluster analysis



Note: Glass & Ceramics cluster and Computer & Electronic Product Manufacturing sub-cluster have too few jobs.

### section 02

NOTE: The first number after each cluster represents its location quotient while the second number represents the number of total jobs (full and part time jobs by place of work) in that cluster in the region in 2014. The clusters are sorted in decreasing order by location quotient.

## Industry and occupation

# Bubble chart interpretation

### Mature Industries

Three industry clusters in the Central Upper Peninsula Planning and Development Region are in the Maturing stage: Primary Metal Mfg., Biomedical/ Biotechnical (Life Sciences), Electrical Equipment, Appliance & Component Mfg. These industries are relatively concentrated, but their growth is trending downward. It is worth noting, however, that the Central Upper Peninsula Planning and Development Region may find it worthwhile to invest in efforts to shore up the concentration of these industries.

### Transforming Industries

Transforming clusters capture the mix of industries that are experiencing relative decline and limited export capability. In the Central Upper Peninsula Planning and Development Region, Arts, Ent., Rec. & Visitor Industries; Printing & Publishing; Chemicals & Chemical Based Products; Energy; Education & Knowledge Creation and Glass & Ceramics are all Transforming clusters. Any amount of growth in these industries would require relatively large investments.

### Star Industries

Star industry clusters are highly concentrated, exporting and still experiencing growth in the region. The most highly concentrated of the Star industry clusters in the Central Upper Peninsula Planning and Development Region is Mining. Its location quotient is 8.55, indicating that the cluster is 8 times more concentrated in the region compared to the U.S. The other strong clusters in the region are Fabricated Metal Product Mfg.; Manufacturing Supercluster; Forest & Wood Products; and Machinery Manufacturing.

### Emerging Industries

Industry clusters that may be poised for future growth are classified as “Emerging.” There are nine Emerging clusters in total in the Central Upper Peninsula Planning and Development Region. Top five are Transportation & Logistics; Advanced Materials; Transportation Equipment Mfg.; Agribusiness, Food Processing & Technology; and Defense & Security. Other clusters include Apparel & Textiles; Business & Financial Services; IT & Telecomm.; and Computer & Elec. Prod. Mfg.