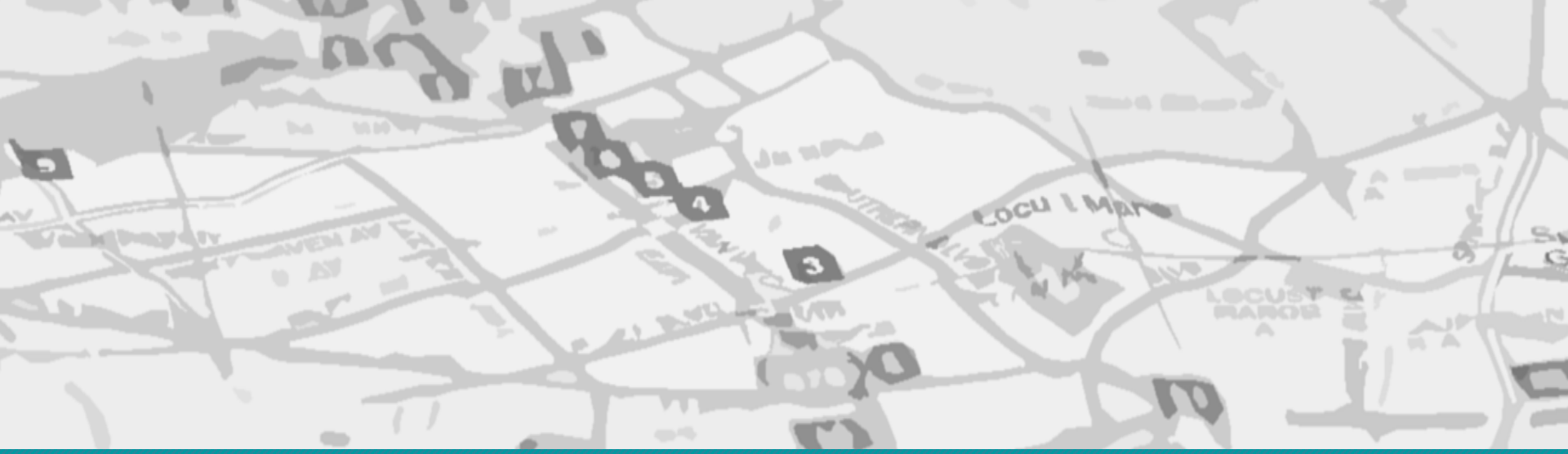


# REGIONAL SNAPSHOT

## Mount Rogers Region, Virginia

PURDUE UNIVERSITY

Center for Regional Development
Advancing Collaboration : Energizing Regions

## Table of contents


01 Overview

02 Industry Cluster Analysis

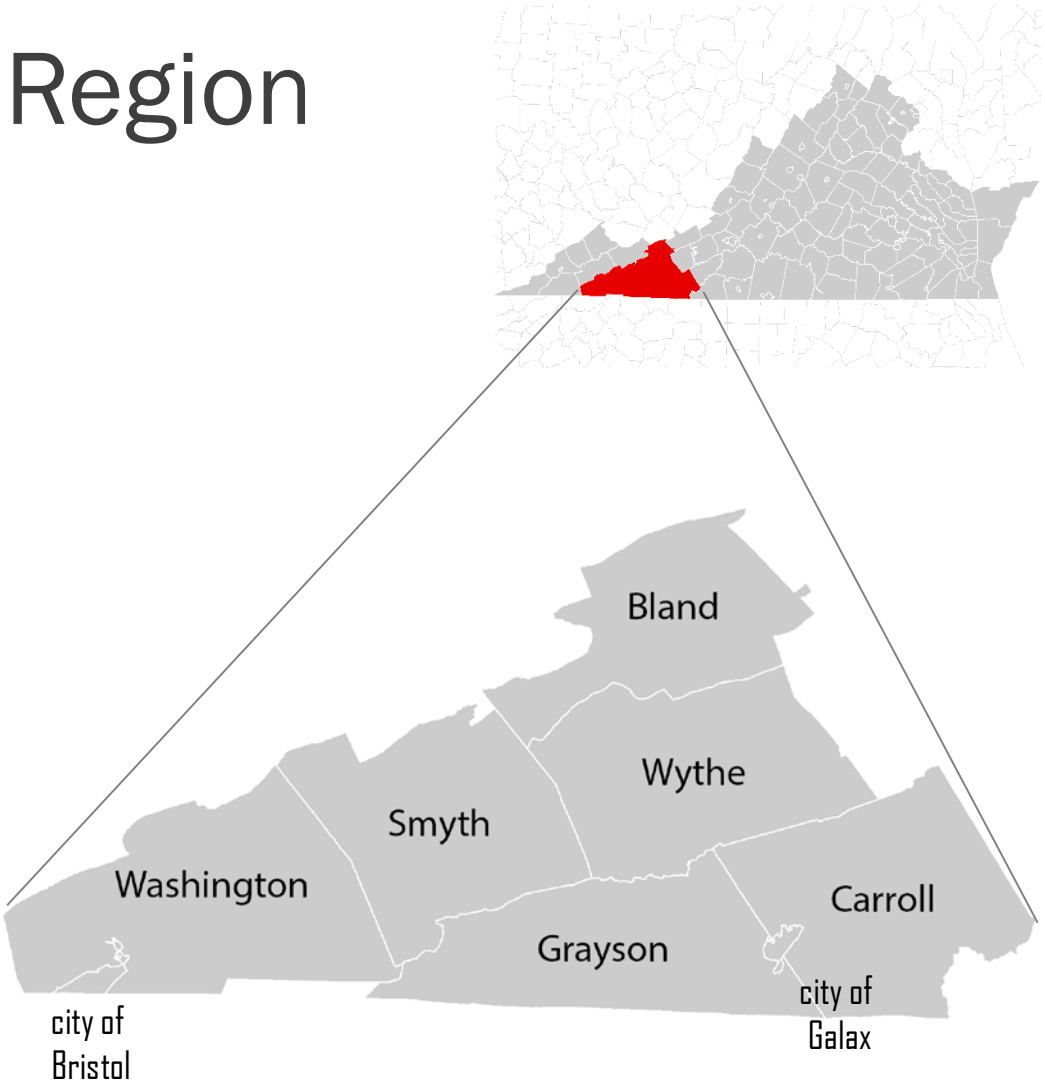
# 01 overview

Mount Rogers Region, VA

# Mount Rogers Region

The Mount Rogers Region is comprised of six Virginia counties and two cities. Interstate I-81 passes through the central part of the region.

- Bland
- Carroll
- Grayson
- Smyth
- Washington
- Wythe Counties
- city of Bristol
- city of Galax

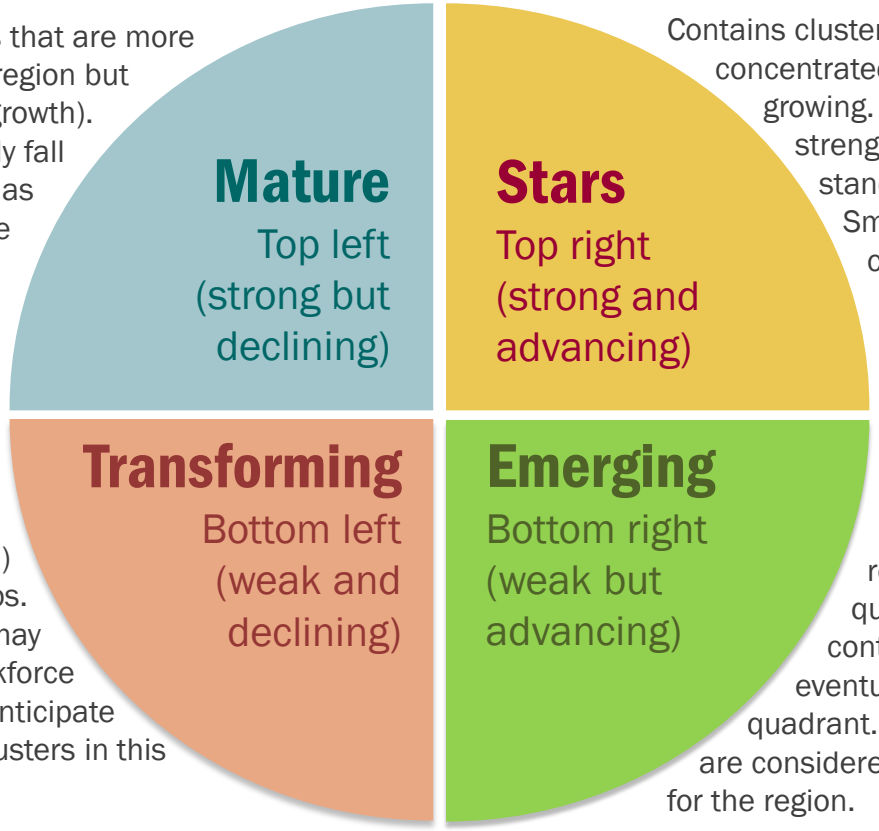


# 02 Industry cluster analysis

Mount Rogers Region, VA

# How to interpret cluster data results

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




Contains clusters that are more concentrated in the region but are declining (negative growth). These clusters typically fall into the lower quadrant as job losses cause a decline in concentration.

Contains clusters that are more concentrated in the region and are growing. These clusters are strengths that help a region stand out from the competition. Small, high-growth clusters can be expected to become more dominant over time.

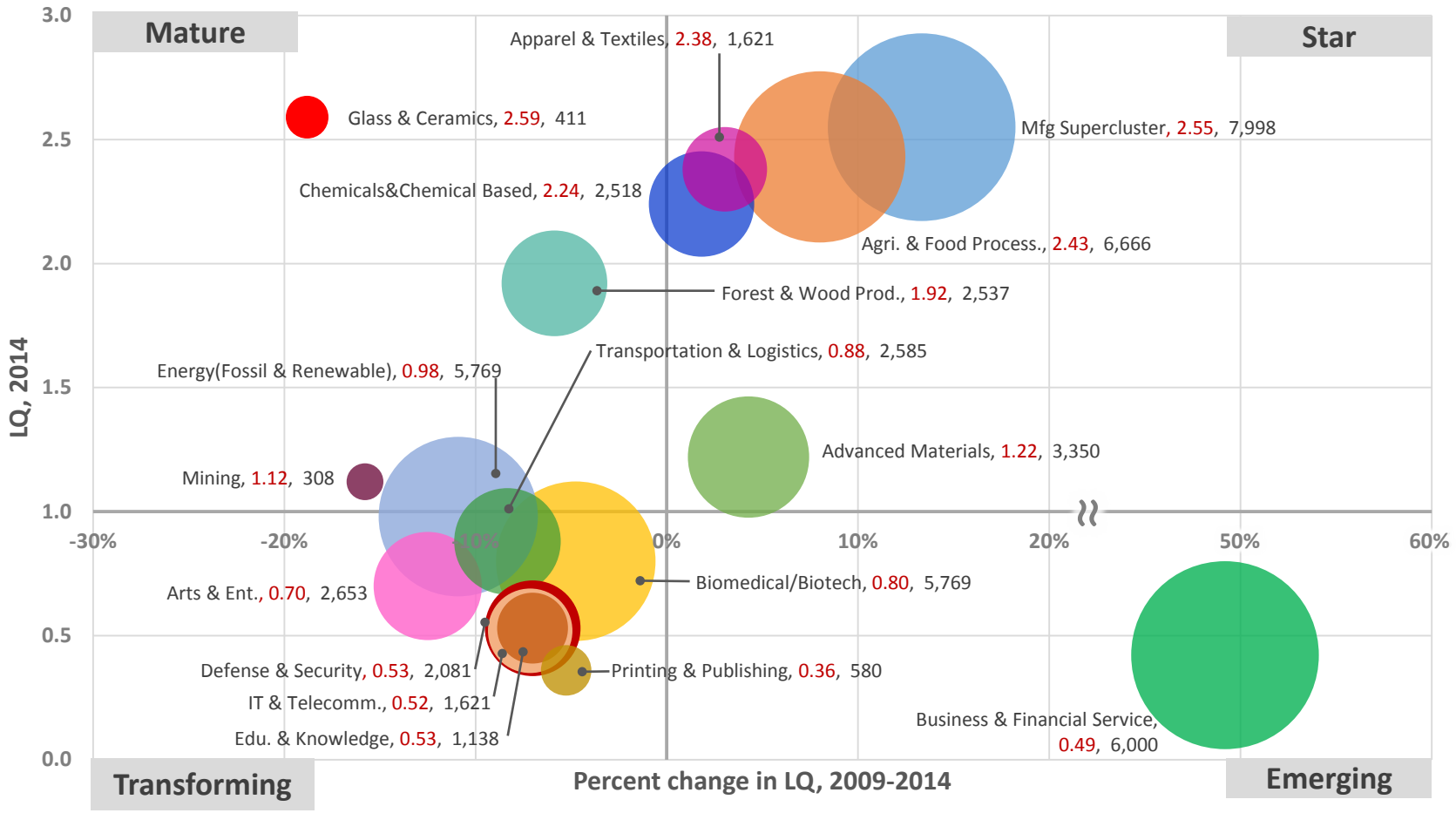
Contains clusters that are under-represented in the region (low concentration) and are also losing jobs. Clusters in this region may indicate a gap in the workforce pipeline if local industries anticipate a future need. In general, clusters in this quadrant show a lack of competitiveness.

Contains clusters that are under-represented in the region but are growing, often quickly. If growth trends continue, these clusters will eventually move into the top right quadrant. Clusters in this quadrant are considered emerging strengths for the region.



Modified from: http://www.charlestonregionaldata.com/bubble-chart-explanation/

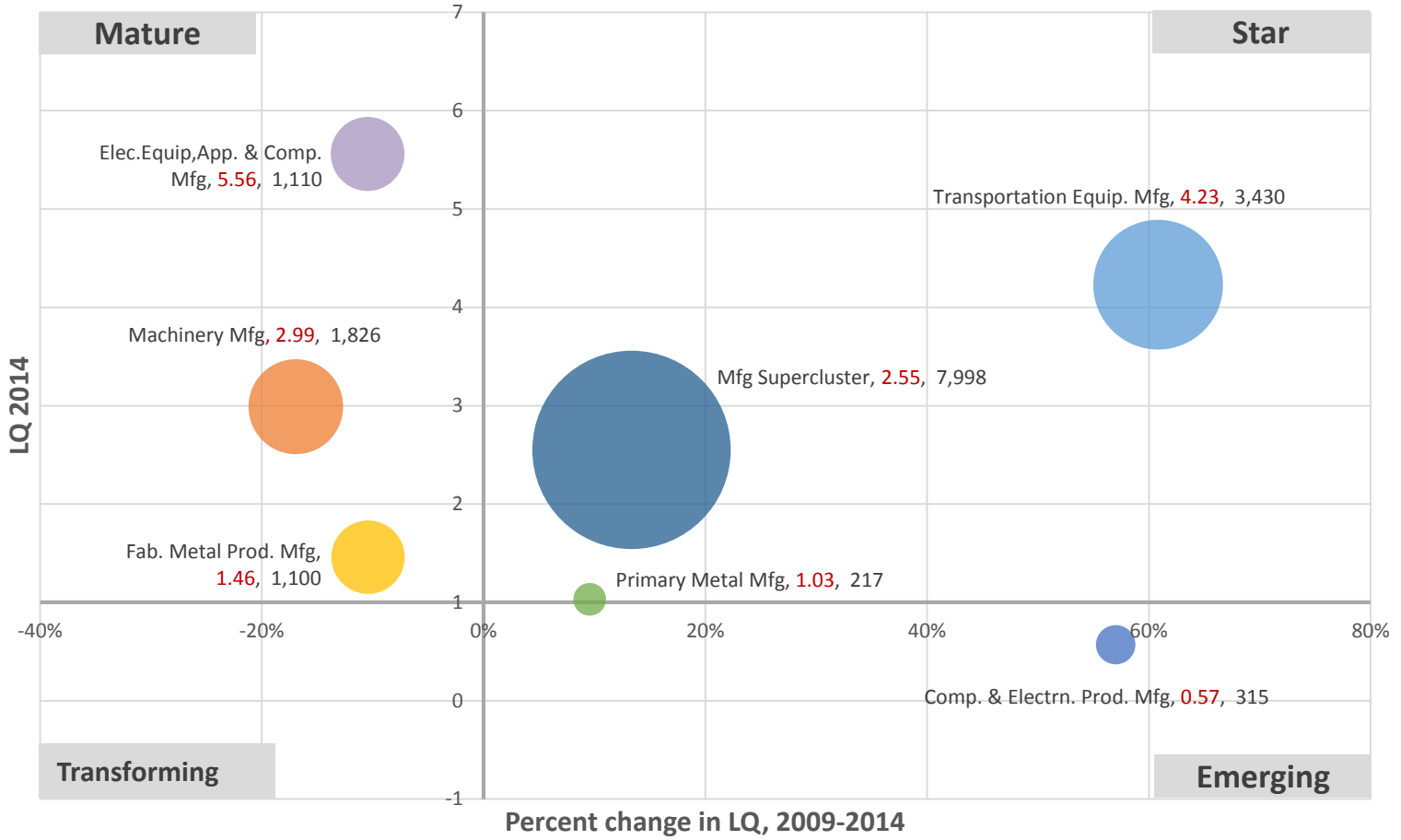
# Industry cluster bubble chart






Source: EMSI Class of Worker 2014.4 (QCEW, non-QCEW, self-employed and extended proprietors).
Note: Label includes cluster name, LQ 2014, and Employment 2014; NAICS 2012 definitions

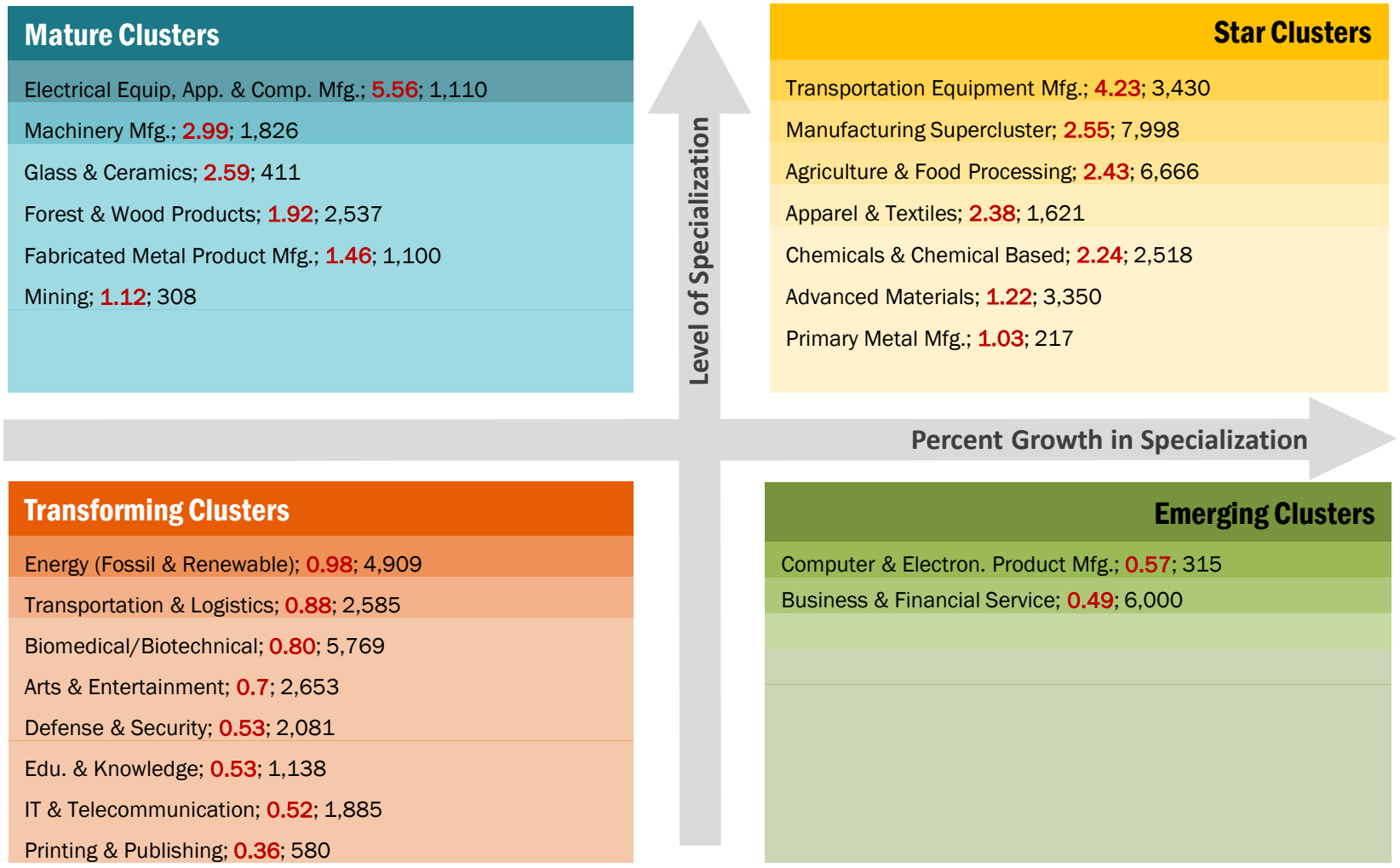
# Manufacturing sub-cluster bubble chart






Source: EMSI Class of Worker 2014.4 (QCEW, non-QCEW, self-employed and extended proprietors).
Note: Label includes cluster name, LQ 2014, and Employment 2014; NAICS 2012 definition

# Industry cluster analysis






*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.*

# Bubble chart interpretation

## Mature Industries

Six industry clusters in the Mount Rogers Region are in the Maturing stage: Electrical Equip, App. & Comp. Manufacturing, Machinery Manufacturing, Glass & Ceramics, Forest & Wood Products, Fabricated Metal Product Manufacturing and Mining. These industries are relatively concentrated, but their growth is trending downward. It is worth noting, however, that the Mount Rogers 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 Mount Rogers Region, Energy (Fossil & Renewable), Transportation & Logistics, Biomedical/Biotechnical, Arts & Entertainment, Defense & Security, Edu. & Knowledge, IT & Telecommunications and Printing & Publishing, 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 Mount Rogers Region is Transportation Equipment Manufacturing. Its location quotient is 4.23, indicating that the cluster is 4 times more concentrated in the region compared to the U.S. The other strong clusters in the region are Manufacturing Supercluster, Agribusiness & Food Processing, Apparel & Textiles, Chemicals & Chemical Based, Advanced Materials and Primary Metal Manufacturing.

## Emerging Industries

Industry clusters that may be poised for future growth are classified as “Emerging.” There are two Emerging clusters in the Mount Rogers Region. Computer & Electronic Product Manufacturing and Business & Financial Service.



Source: EMSI Class of Worker 2014.4 (QCEW, non-QCEW, self-employed and extended proprietors).