

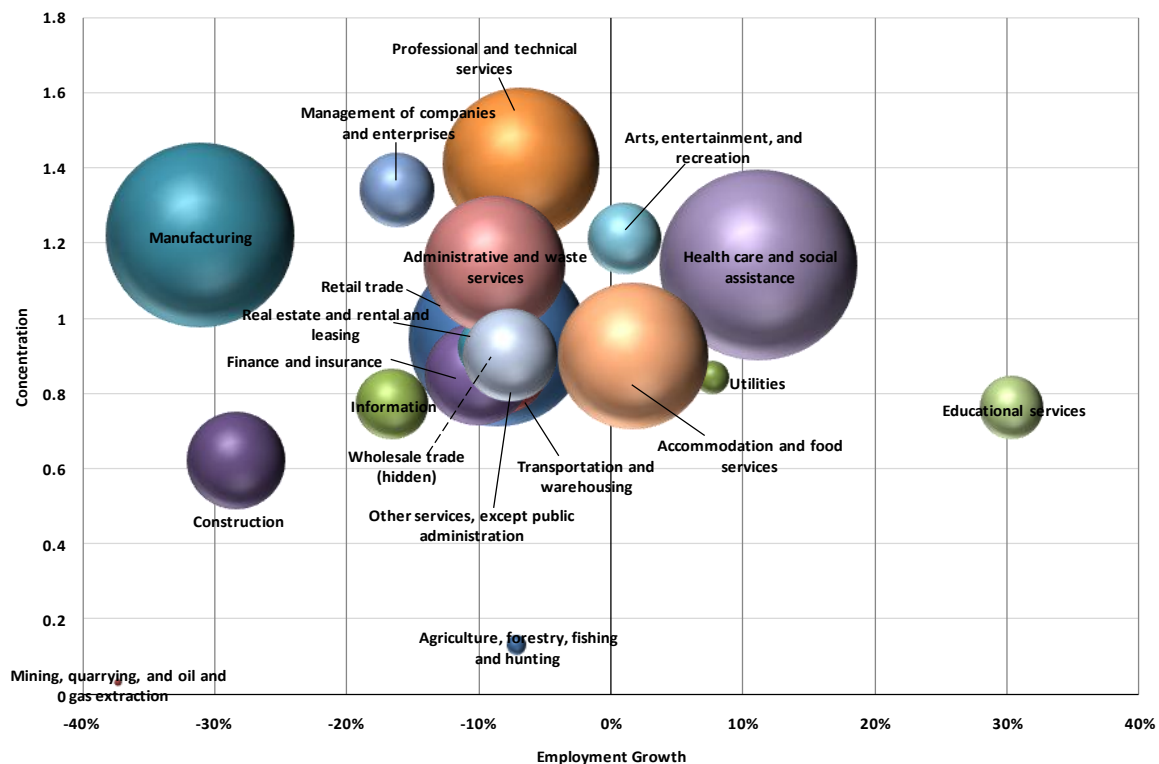
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## Cluster Analysis

In Figure 2, the chart shows private sector employment growth (or loss) for 2002-2008 (graphed along the X-axis) and each sector's concentration compared to the nation - also called the "location quotient" (graphed along the Y-axis). The size of each bubble represents that sector's proportion of jobs in Southeast Michigan. Location quotients greater than 1.25 suggest that these are sectors with significantly higher concentrations of employment and support the regional economy as a whole.

Southeast Michigan's three most highly concentrated sectors – Professional and Technical Services, Management of Companies, and Manufacturing – show the region's range of talent. While most are historically tied to the automotive industry and lost jobs between 2002 and 2008, they also suggest an immense and diverse talent base in this region. In 2008, they accounted for 26 percent of all jobs in Southeast Michigan.

### Southeast Michigan's Private Sector Growth (2002-2008) and Concentrations (2008)



Sources: Bureau of Labor Statistics, Michigan Labor Market Information, and SEMCOG