ADVANCED TECHNOLOGY AND INFORMATION

Advanced and Flexible Manufacturing Cluster Analysis
Aerospace Cluster Analysis

- Information Technology Cluster Analysis
- Robotics and Automation Cluster Analysis



Land Policy Institute

Advanced and Flexible Manufacturing Cluster Analysis

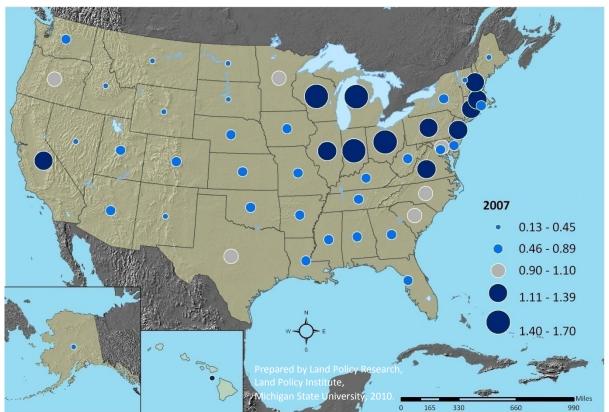
This cluster includes manufacturing providers varying from polymers and injection molding to advanced materials and electronic manufacturing (for a complete specification see Appendix 1). The manufacture of small run high value products is becoming more prevalent in today's economy and transitioning Michigan's manufacturers into this mode could provide new global opportunities.

MICHIGAN STATE UNIVERSITY

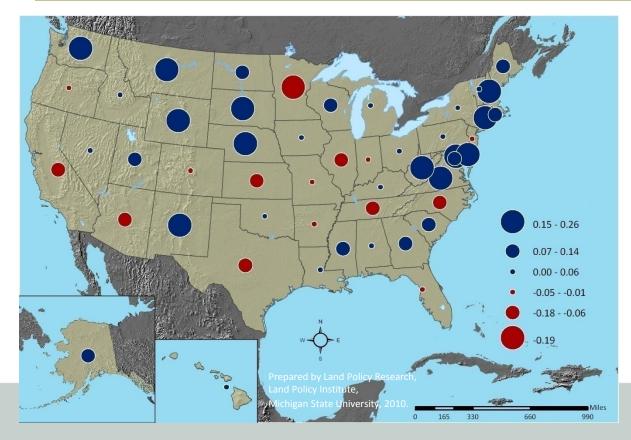
Land Policy Institute

Advanced & Flexible Manufacturing

National Location Quotient

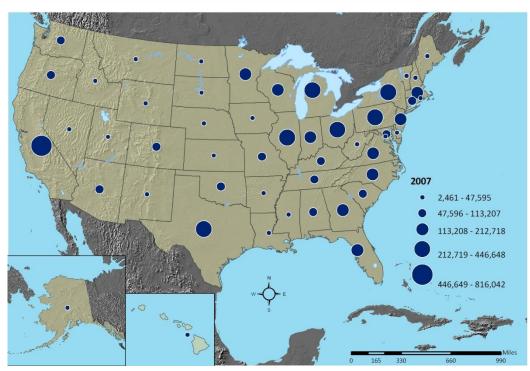


Change in Location Quotient 2003-2007



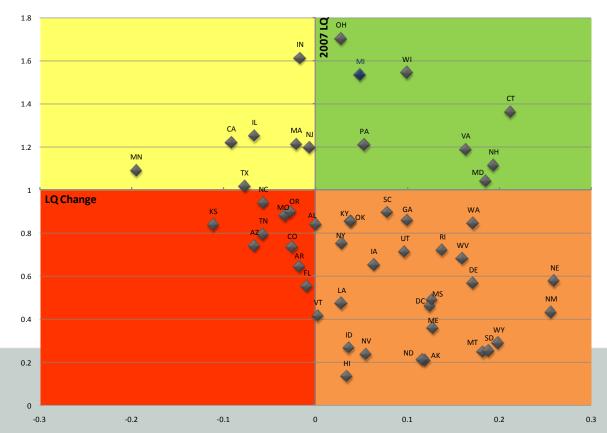
Advanced & Flexible Manufacturing

National Employment Distribution



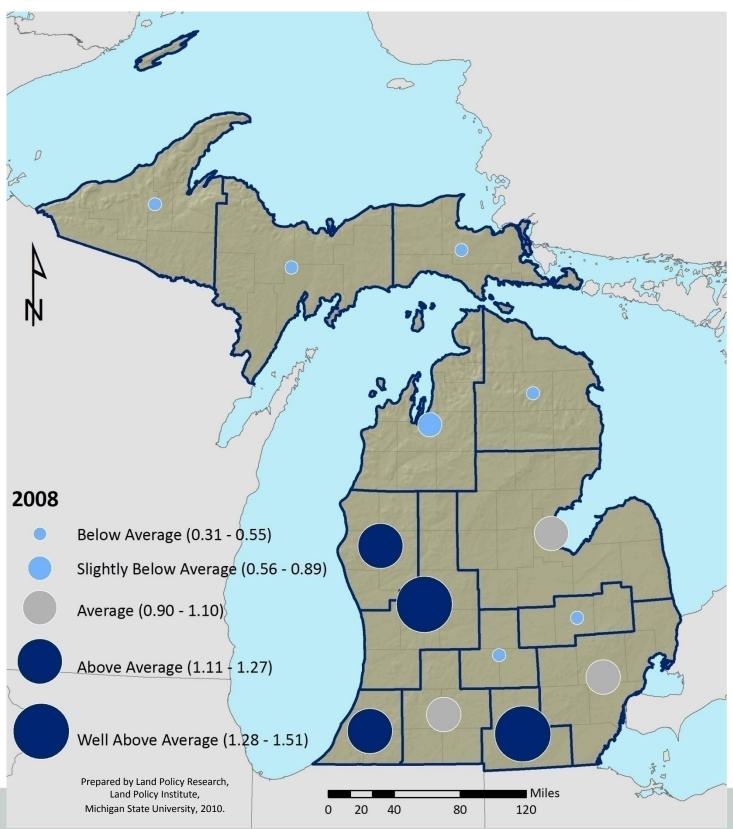
50 State Location Quotient Distribution

Advanced Manufacturing State LQ Graph



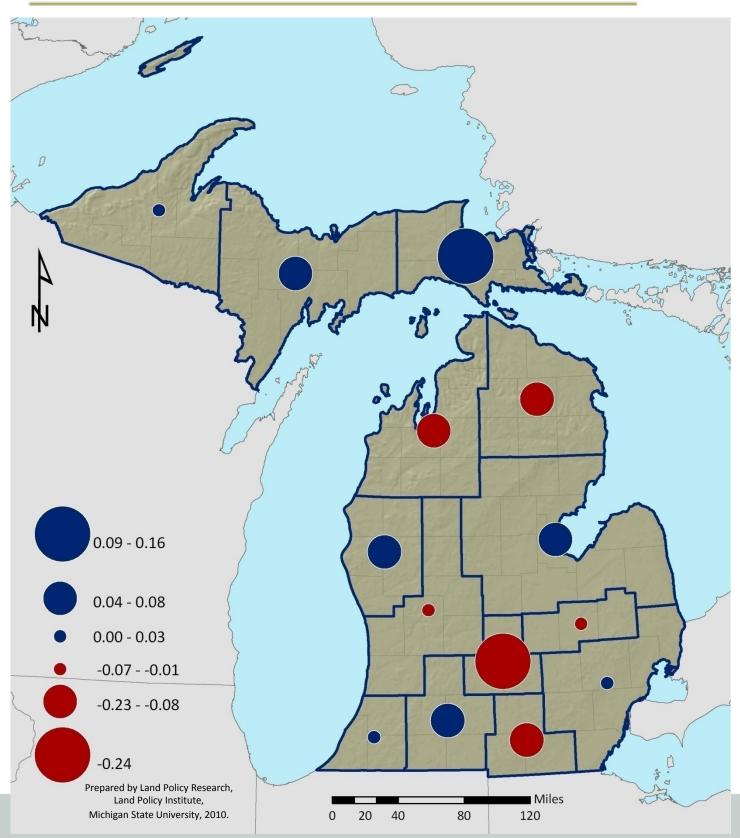
191

Regional Location Quotient Distribution

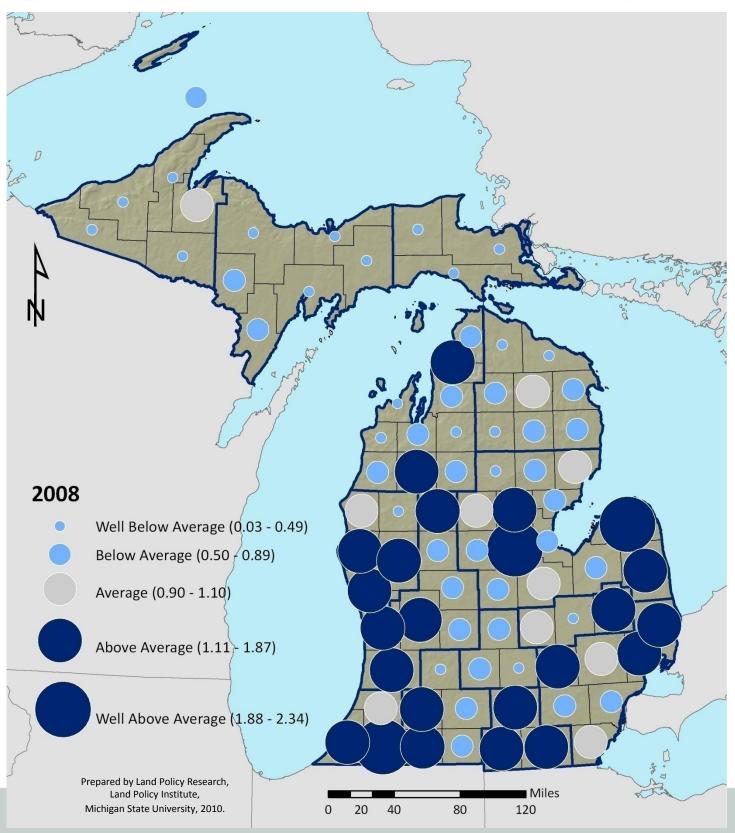


Advanced & Flexible Manufacturing

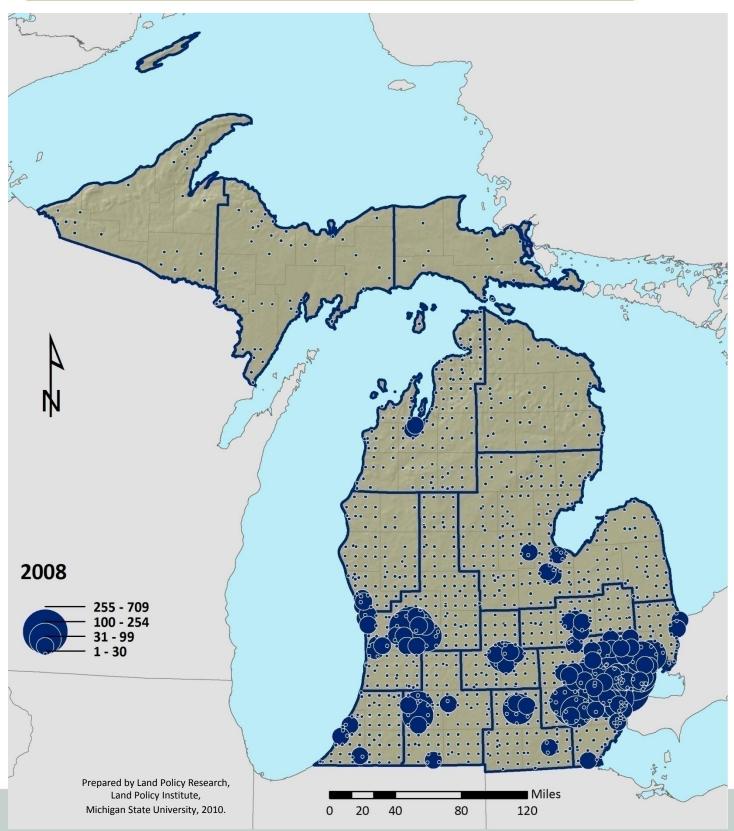
Change in Regional Location Quotient Distribution 2002-2008



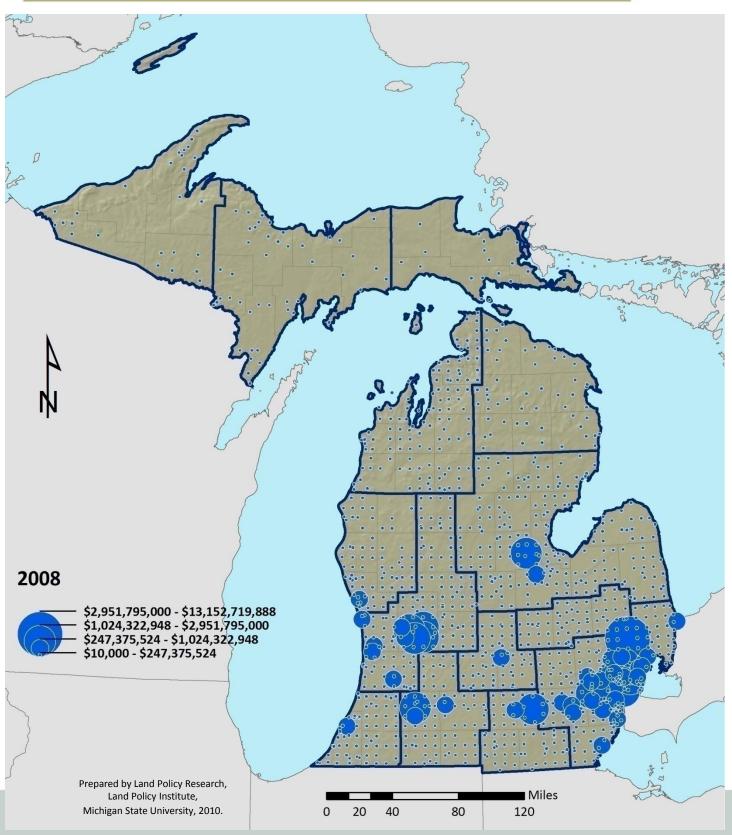
County Location Quotient Distribution



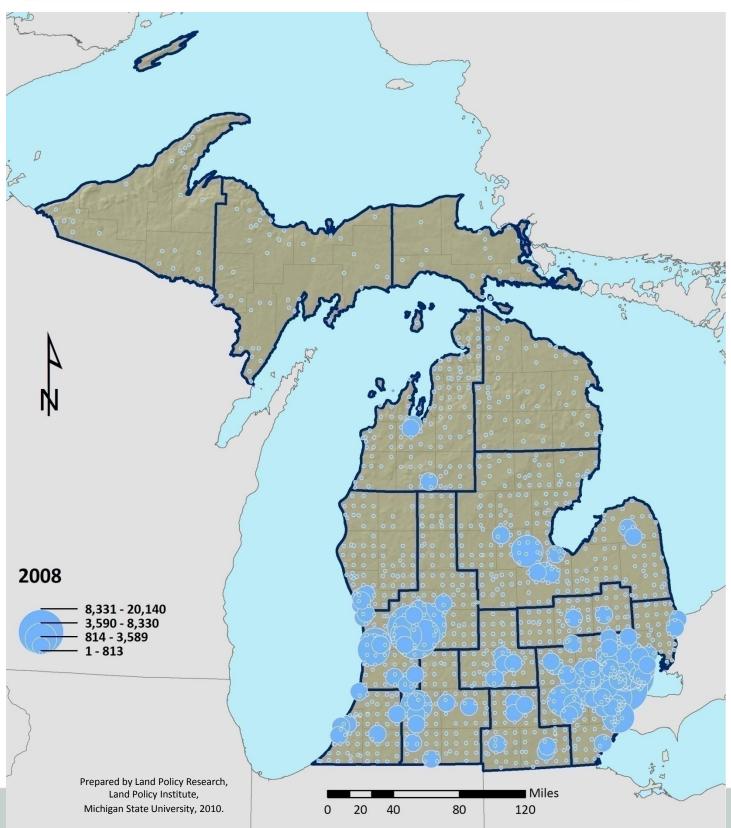
Establishments Statewide



Sales Statewide



Employment Statewide



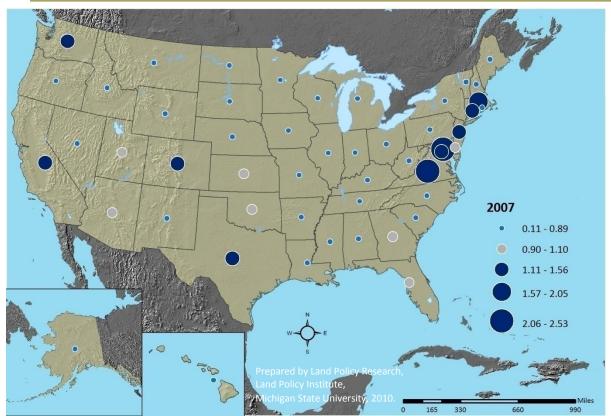
Aerospace Cluster Analysis

This cluster includes parts manufacture, satellite communications, computer systems control etc. (for a complete specification see Appendix 1). While not a traditional anchor point for Michigan's economy, there are signs of growing demand in this sector, and that coupled with growing demand overseas may present an opportunity.

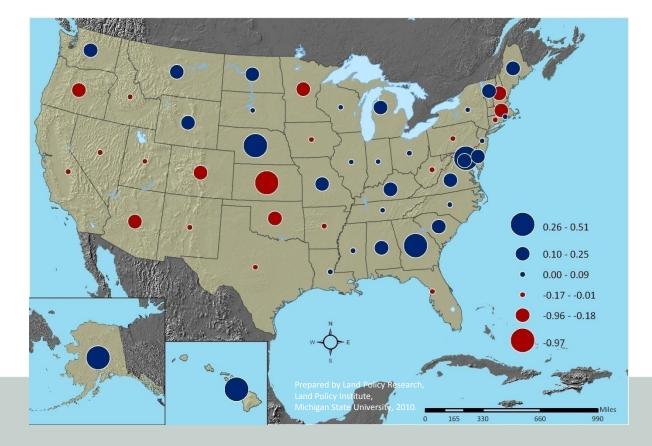
MICHIGAN STATE UNIVERSITY

Land Policy Institute

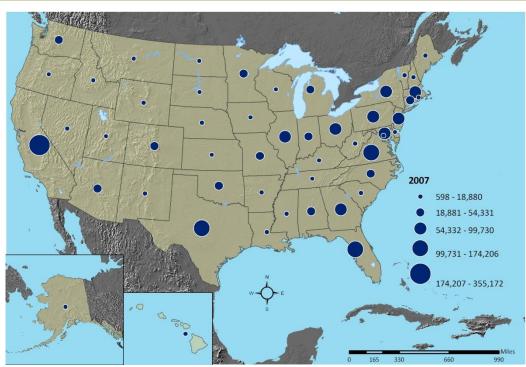
National Location Quotient



Change in Location Quotient 2003-2007

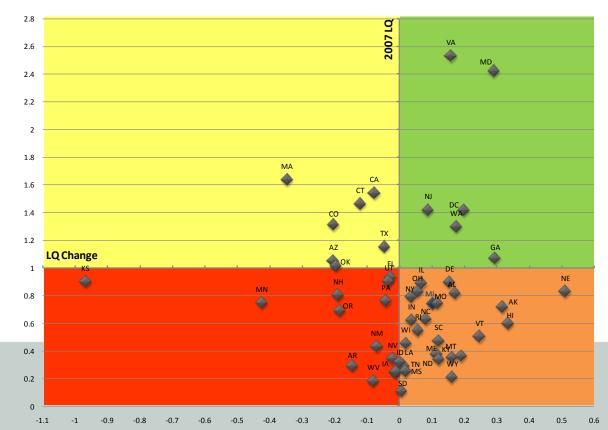


National Employment Distribution



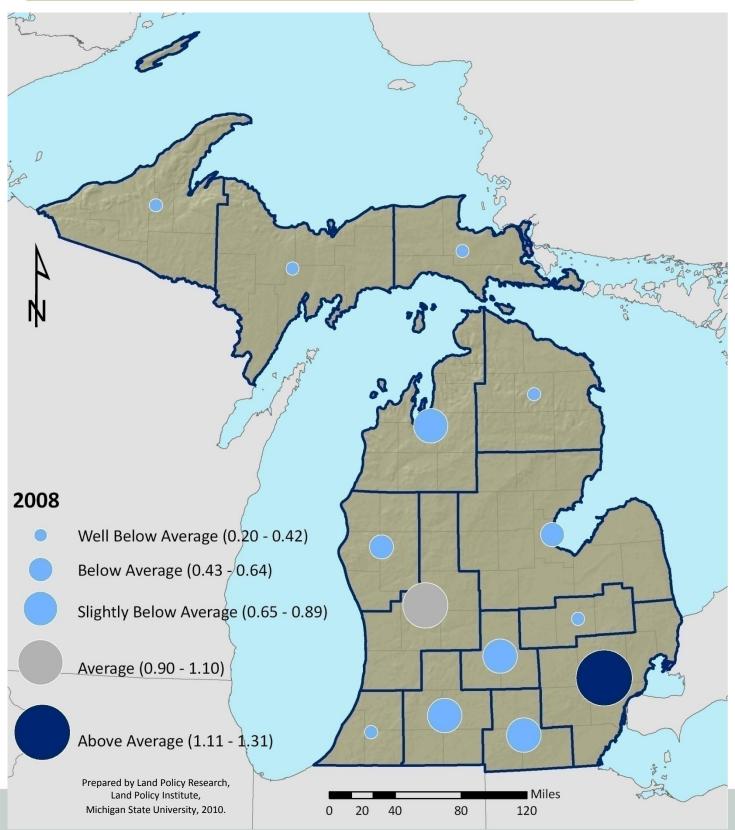
50 State Location Quotient Distribution

Aerospace State LQ Chart

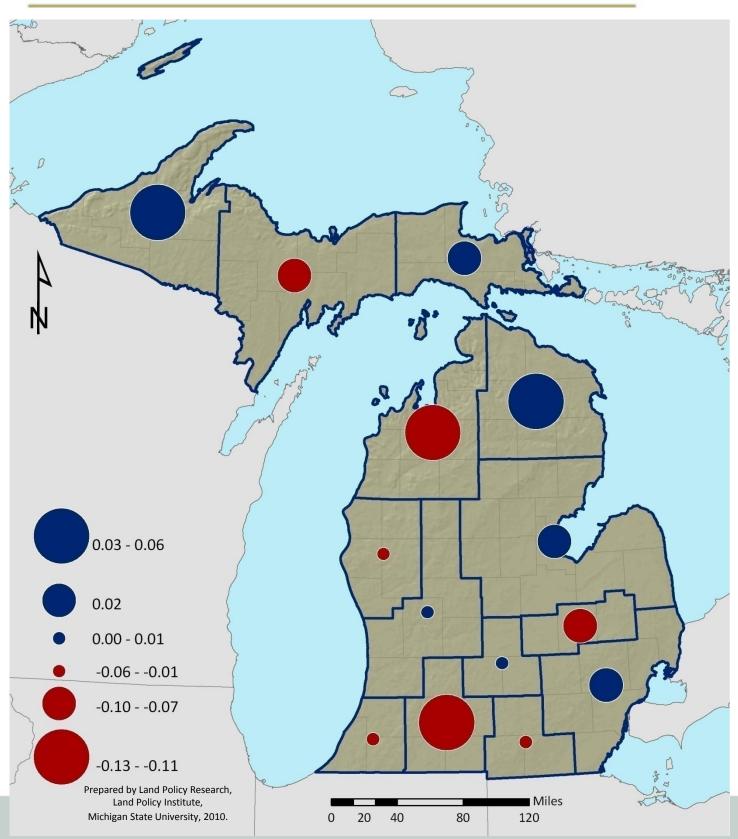


200

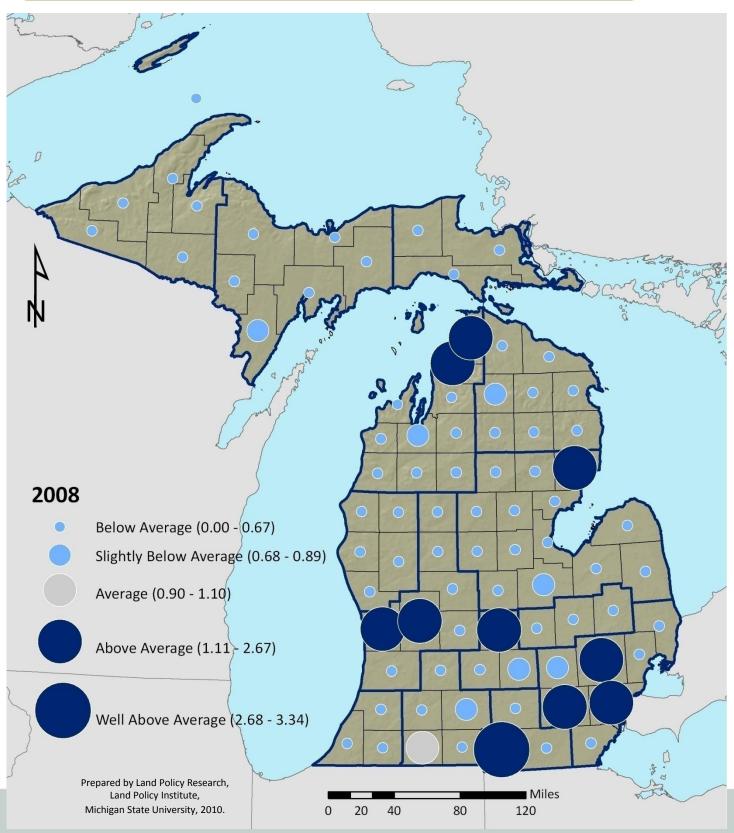
Regional Location Quotient Distribution



Change in Regional Location Quotient Distribution 2002-2008

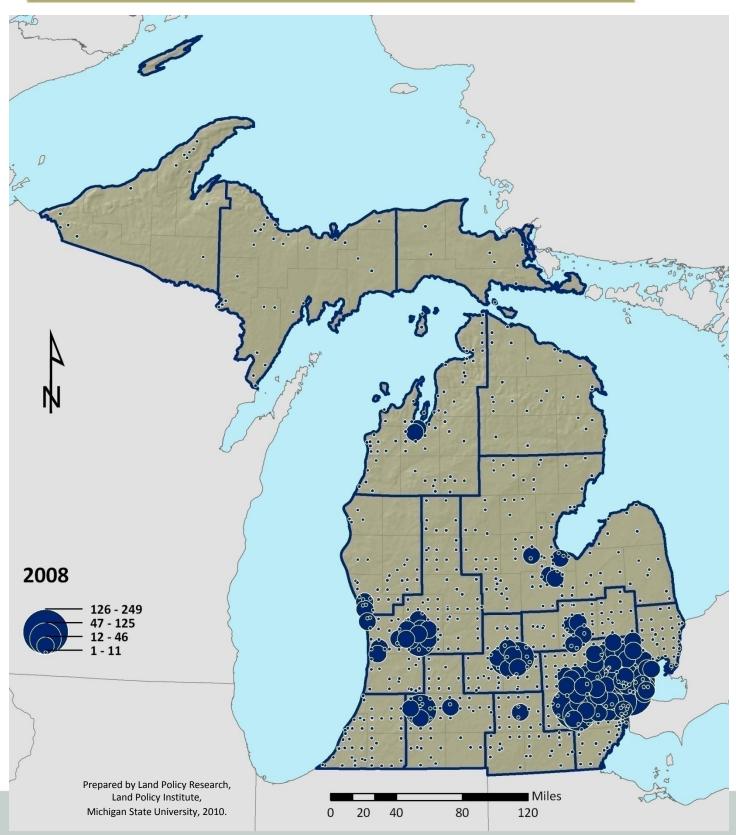


County Location Quotient Distribution



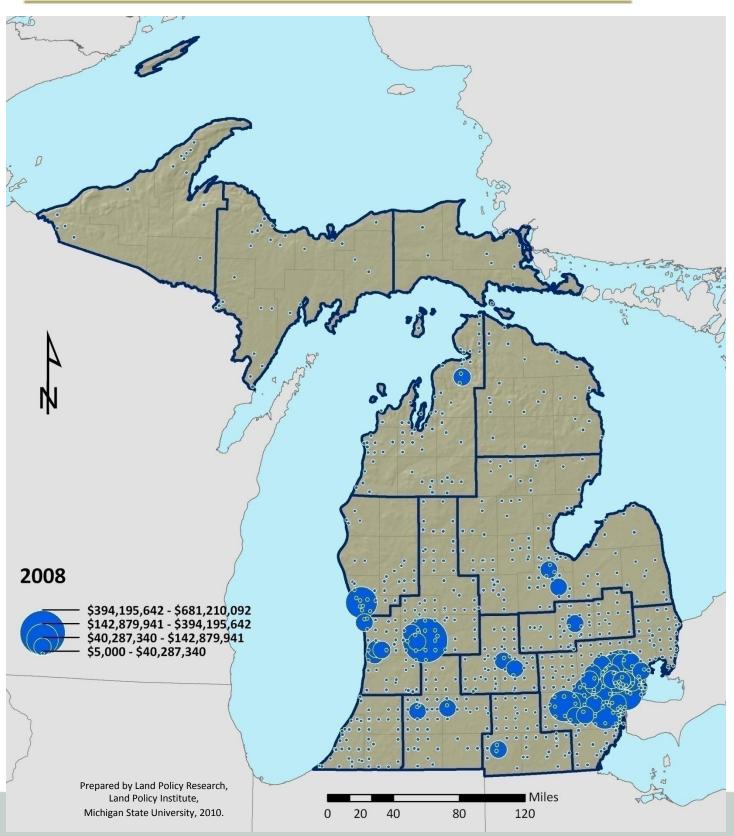


Establishments Statewide

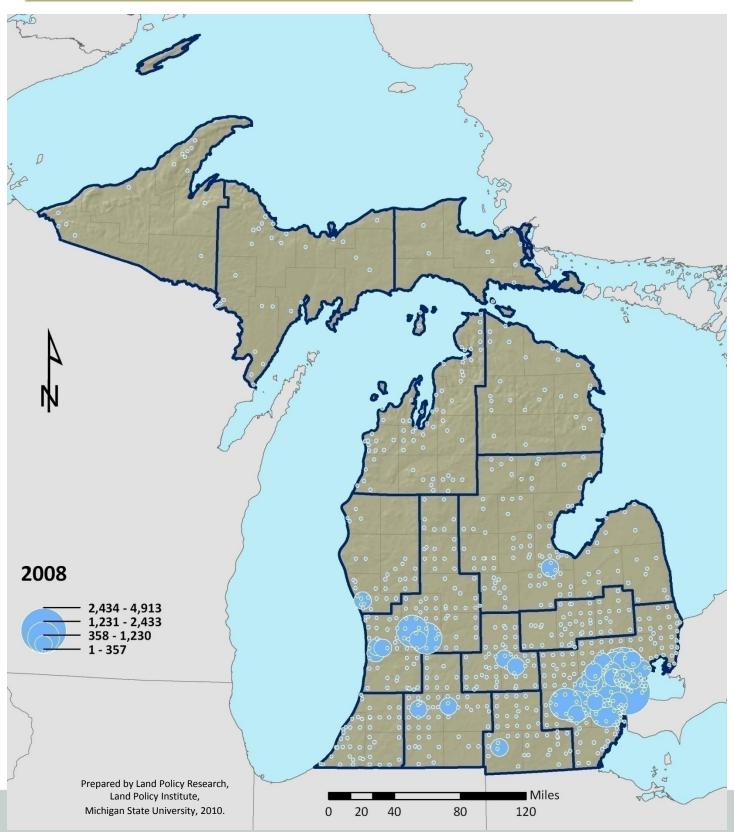




Sales Statewide



Employment Statewide

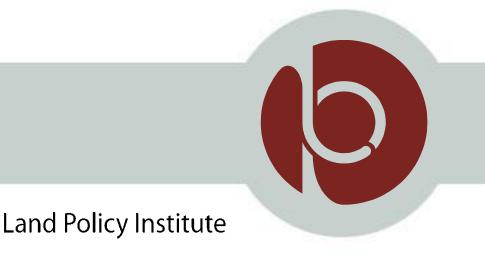


Information Technology Cluster Analysis

This cluster includes industries such as broadband providers, web design and hosting, hardware manufacture service and support etc. (for a complete specification see Appendix 1). While not a traditional anchor point for Michigan's economy there are signs of strong current demand in this sector, and that coupled with growing demand nationally and globally may present an opportunity.

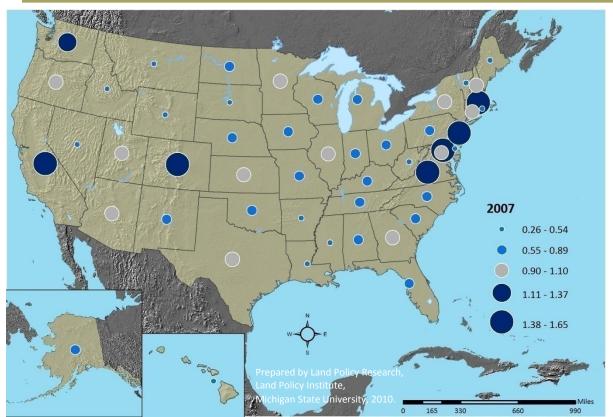
MICHIGAN STATE

UNIVERSITY

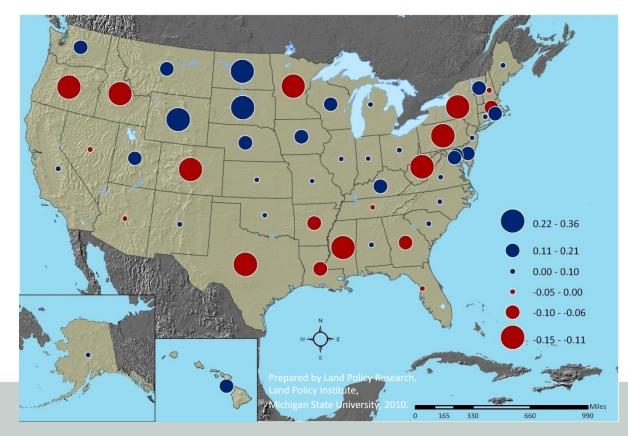


Information Technology

National Location Quotient

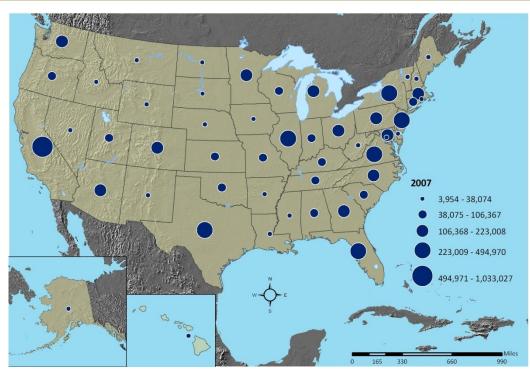


Change in Location Quotient 2003-2007



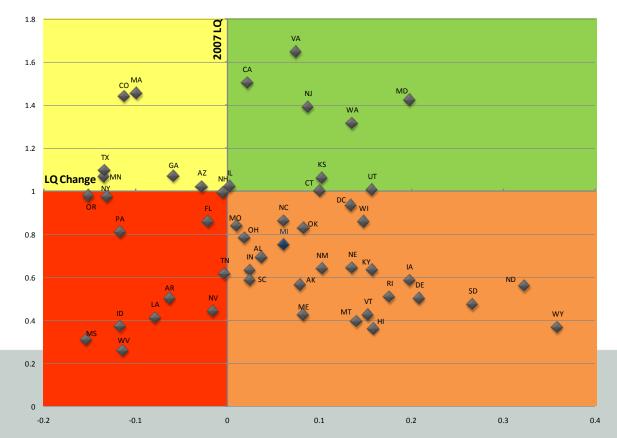
Information Technology

National Employment Distribution



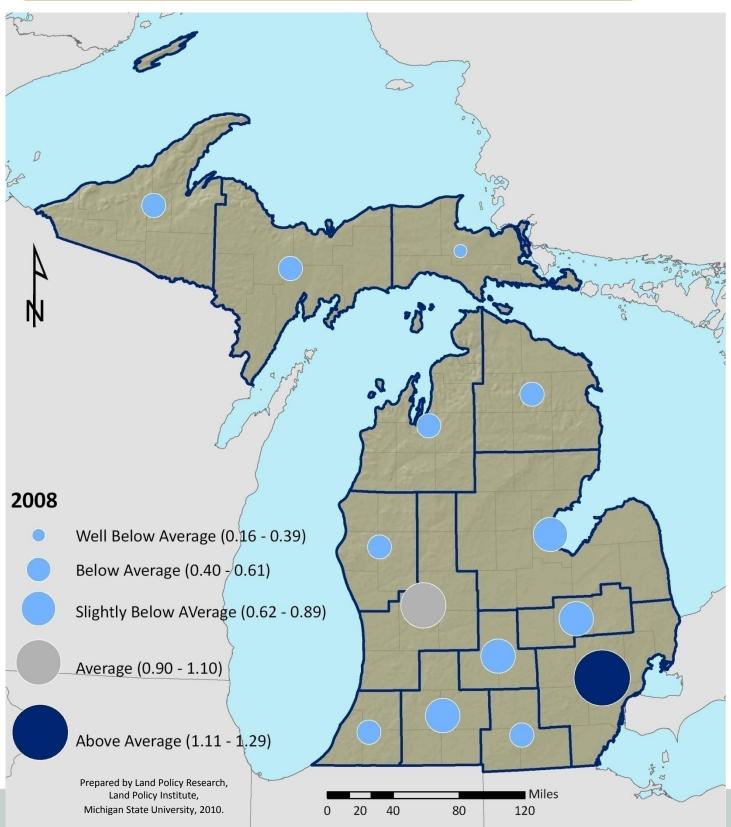
50 State Location Quotient Distribution

Information Technology State LQ Chart



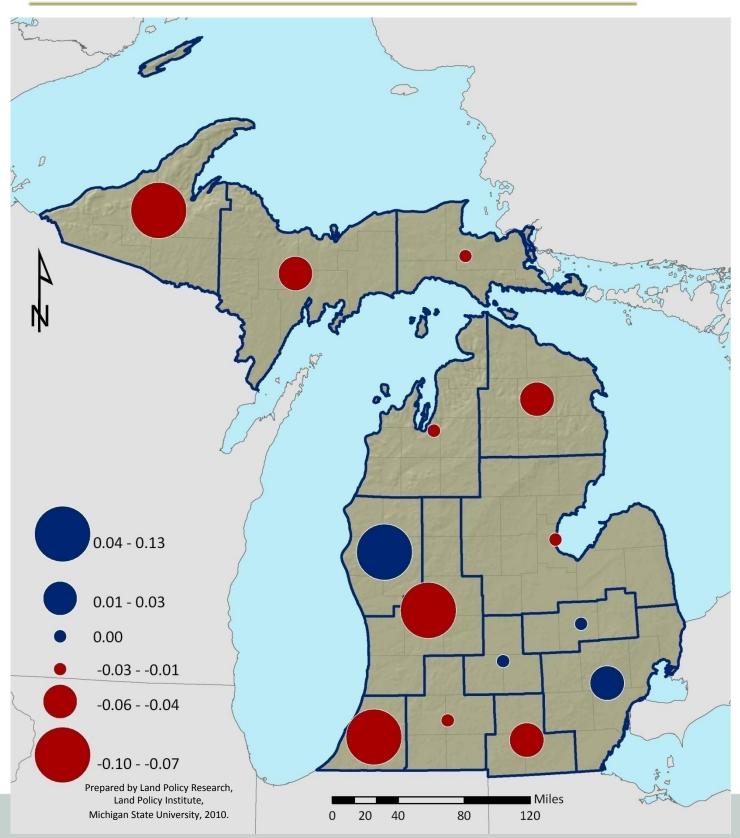
209

Regional Location Quotient Distribution

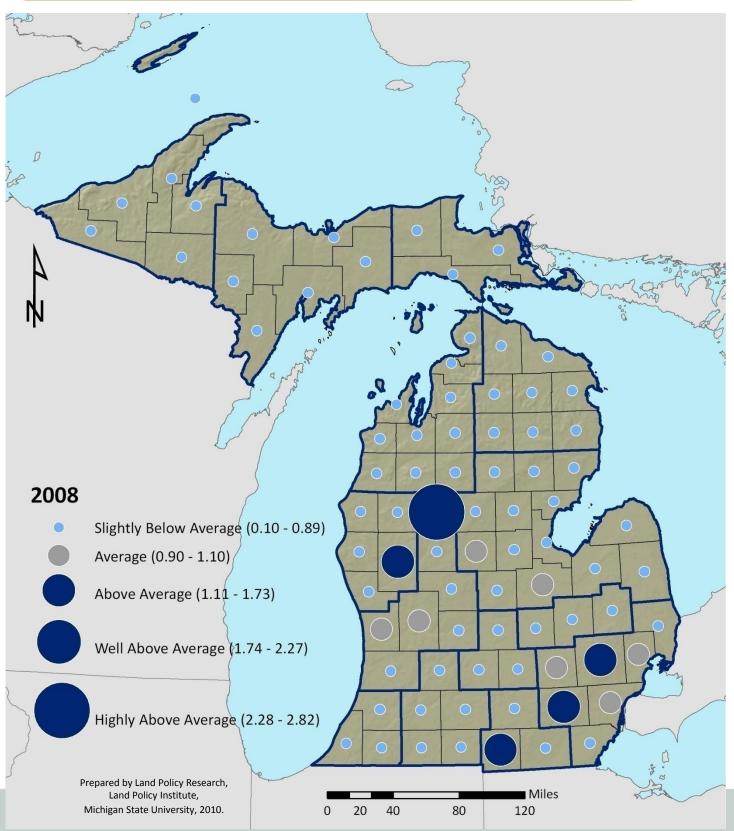


Information Technology

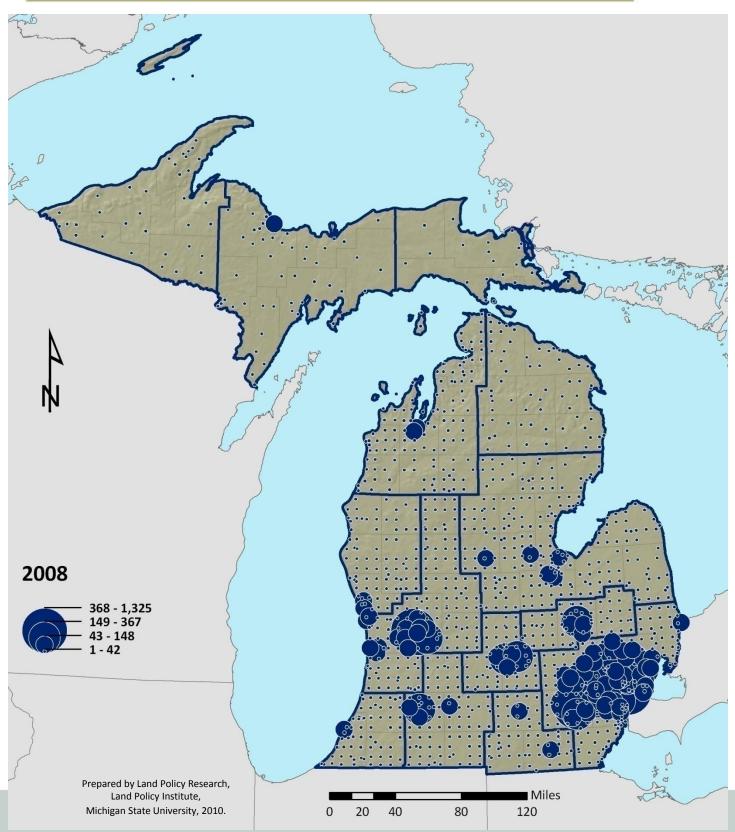
Change in Regional Location Quotient Distribution 2002-2008



County Location Quotient Distribution

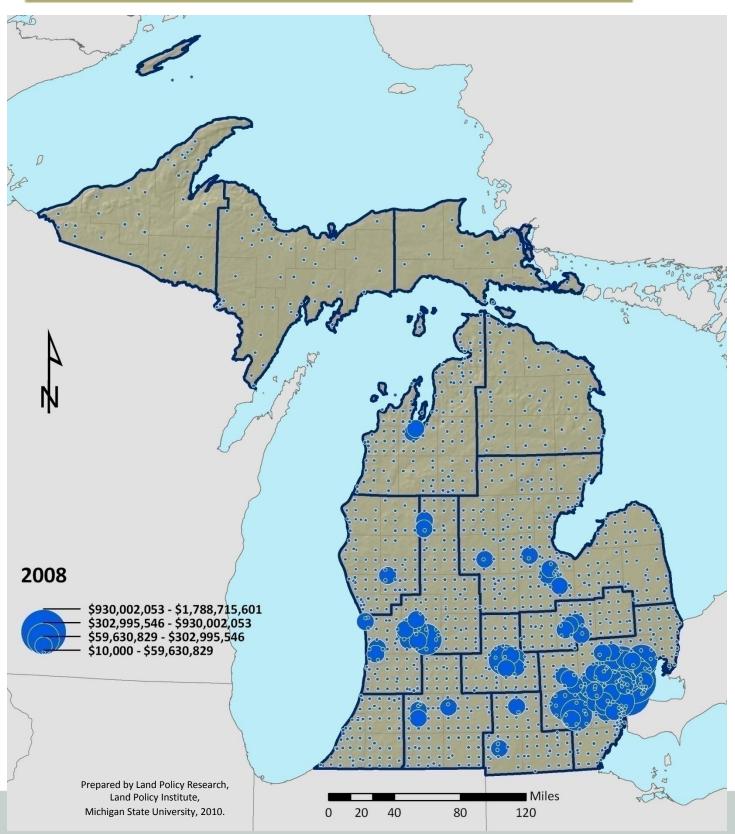


Establishments Statewide

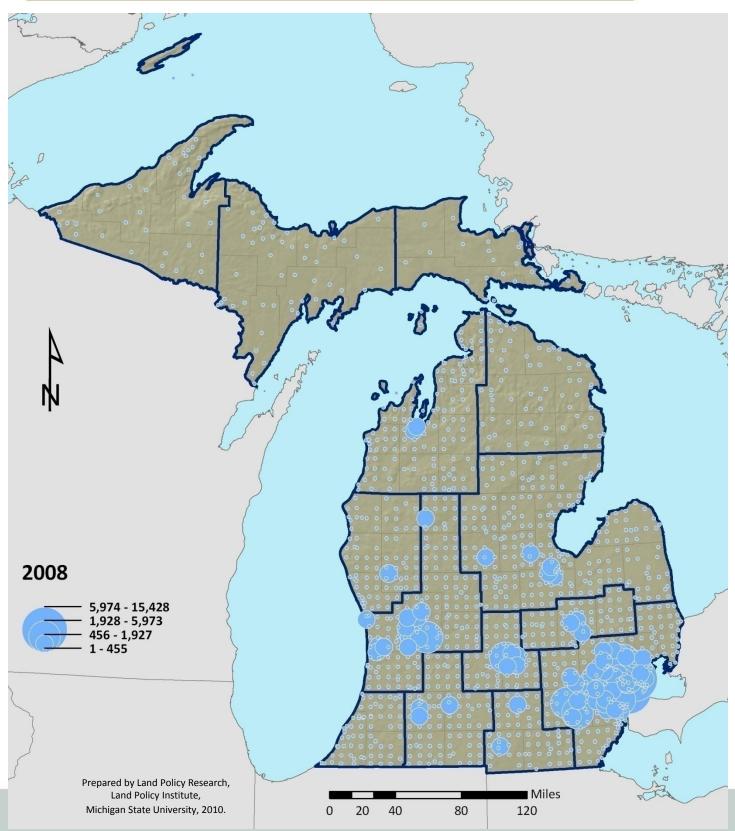


Information Technology

Sales Statewide



Employment Statewide



Robotics and Automation Cluster Analysis

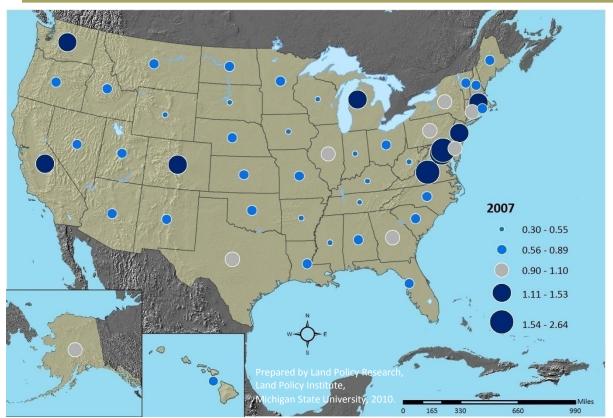
This cluster includes the industries manufacturing robotics, programming, automation design, maintenance, etc. (for a complete specification see Appendix 1). The auto industry was the original impetus for this cluster and the transfer of these developed technologies to other industries where productivity gains could be substantial presents opportunities in this cluster.

MICHIGAN STATE UNIVERSITY

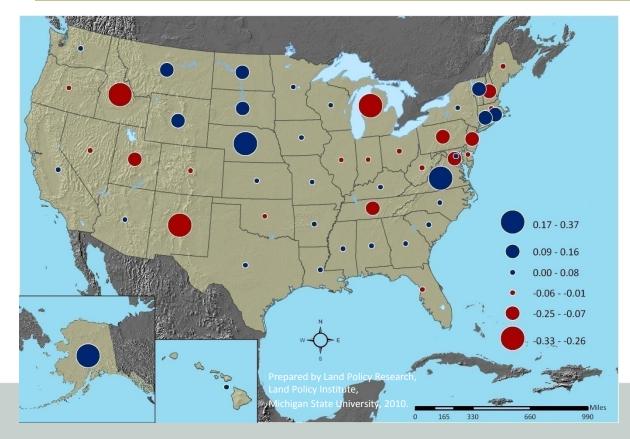
Land Policy Institute

Robotics & Automation

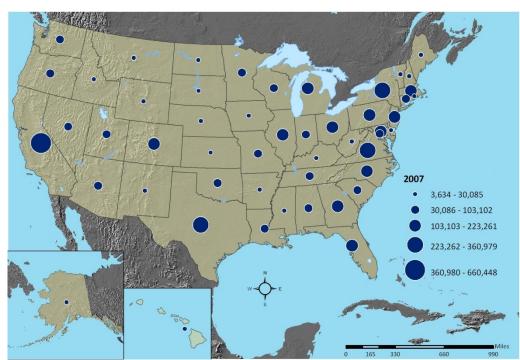
National Location Quotient



Change in Location Quotient 2003-2007

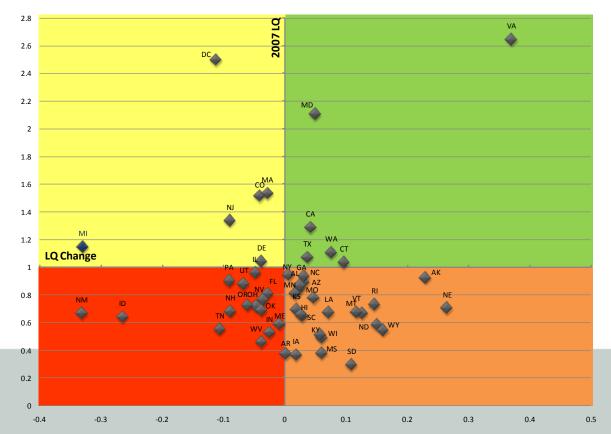


National Employment Distribution

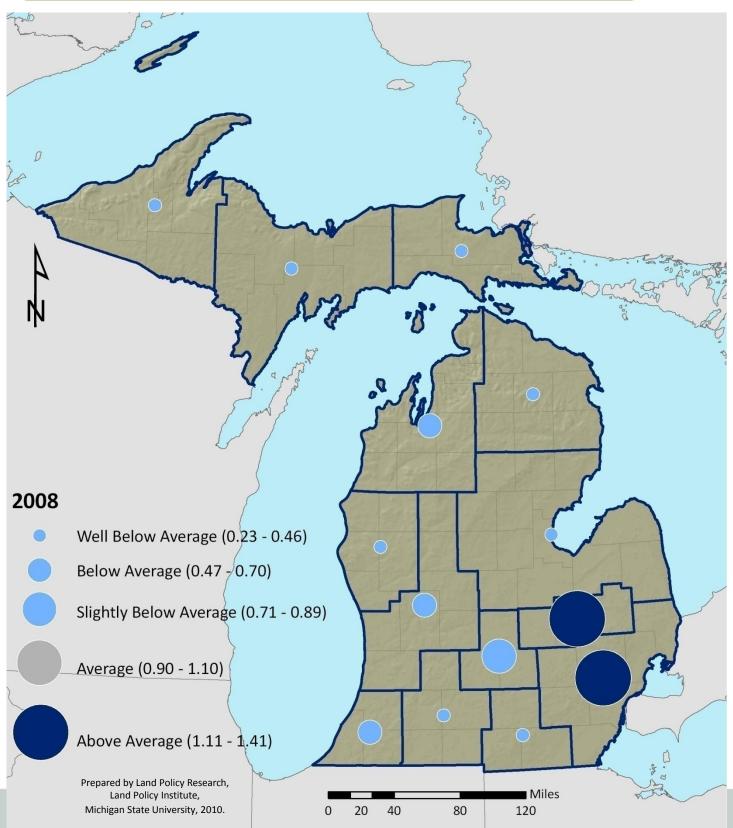


50 State Location Quotient Distribution

Robotics and Automation State LQ Chart

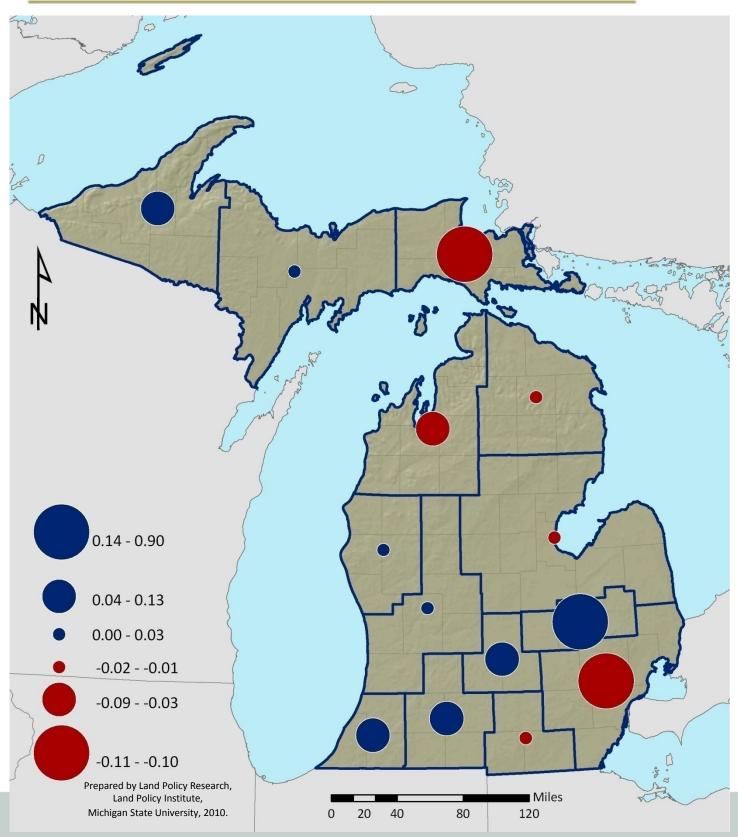


Regional Location Quotient Distribution

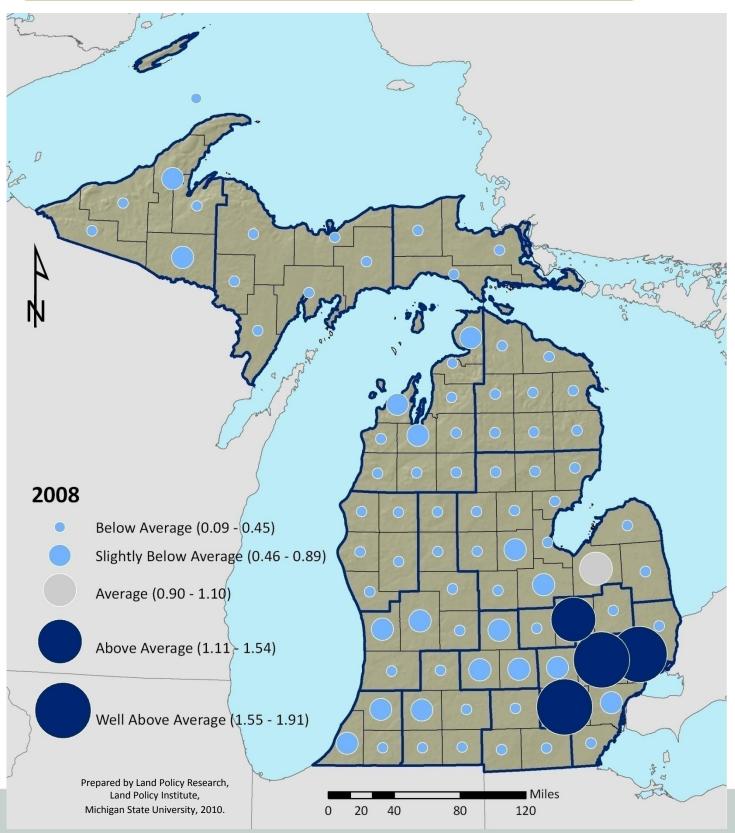


Robotics & Automation

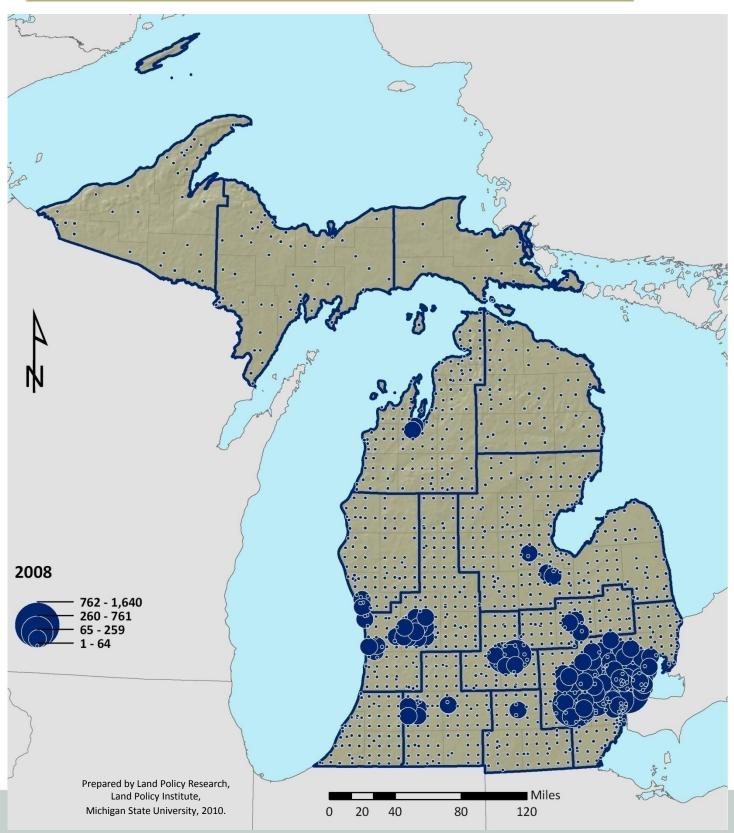
Change in Regional Location Quotient Distribution 2002-2008



County Location Quotient Distribution

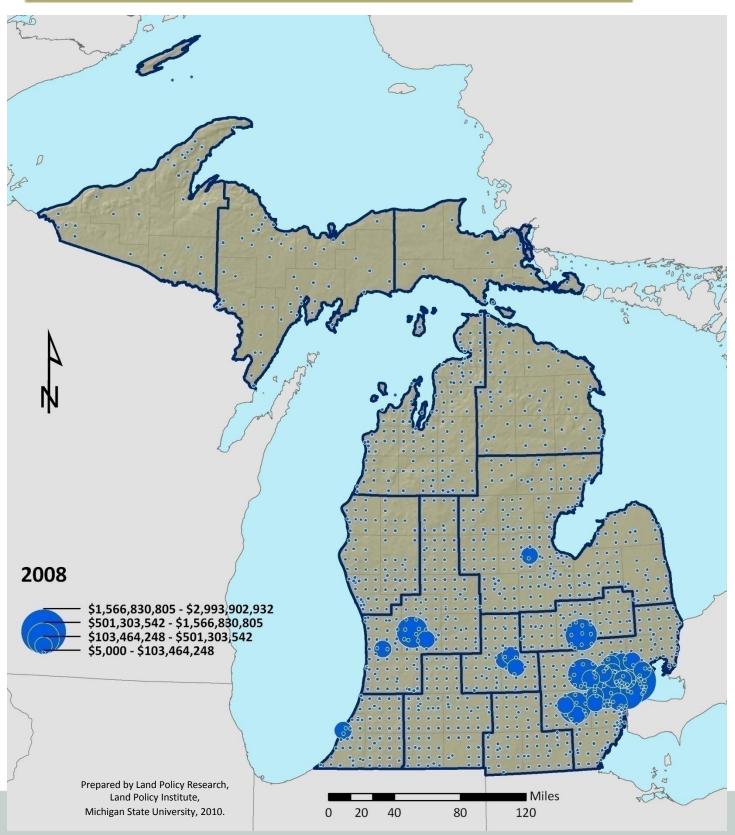


Establishments Statewide



Robotics & Automation

Sales Statewide



Employment Statewide

