

Regional Data Snapshot

Industry Cluster Analysis
SET Session 1

Southern Indiana Development Commission, Indiana



Center for Regional Development
Advancing Collaboration : Energizing Regions

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01 overview

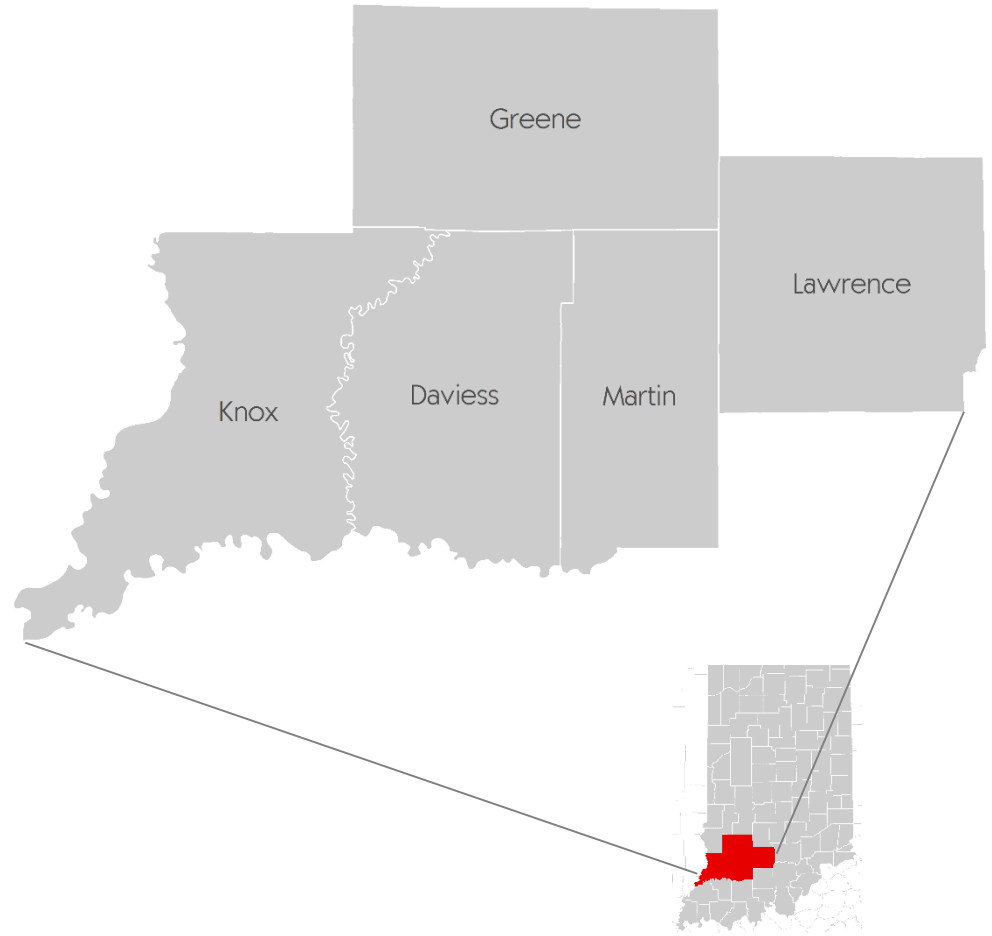
**Southern Indiana Development
Commission, IN**

Overview

Southern Indiana Development Commission

The Southern Indiana Development Commission (SIDC) Region is comprised of 5 Indiana counties. Interstate 69 connects the region to Bloomington and Indianapolis in the north, and to Interstate 64 and Evansville in the south. Once completed, Interstate 69 would connect Michigan to Texas and the international border in Mexico. Martin County is home to Crane Division, Naval Surface Warfare Center.

- Daviess
- Greene
- Knox
- Lawrence
- Martin



02 industry and occupation

Establishments

Employment by industry

Industry and occupation

Components of changes in Jobs

Changes in Jobs (2009-2015)

Gained by	New Startups	+17,824
	Spinoffs	+5,385
	Expansion	+9,689
	In-migration	+843
Lost by	Closings	-23,535
	Contractions	-7,692
	Out-migration	-532
Net change		+1,982

How to Interpret the Accompanying Table

New Startups: A completely new business from births/openings without any affiliation to an existing business.

Spinoffs: New businesses that were spun-off from existing businesses.

Expansions: Existing businesses that have expanded in jobs.

In-migration: Businesses that have moved-in from outside of the county.

Closings: Closure of existing businesses.

Contractions: Existing businesses that have shed/reduced jobs.

Out-migration: Businesses that have moved-out from the county.

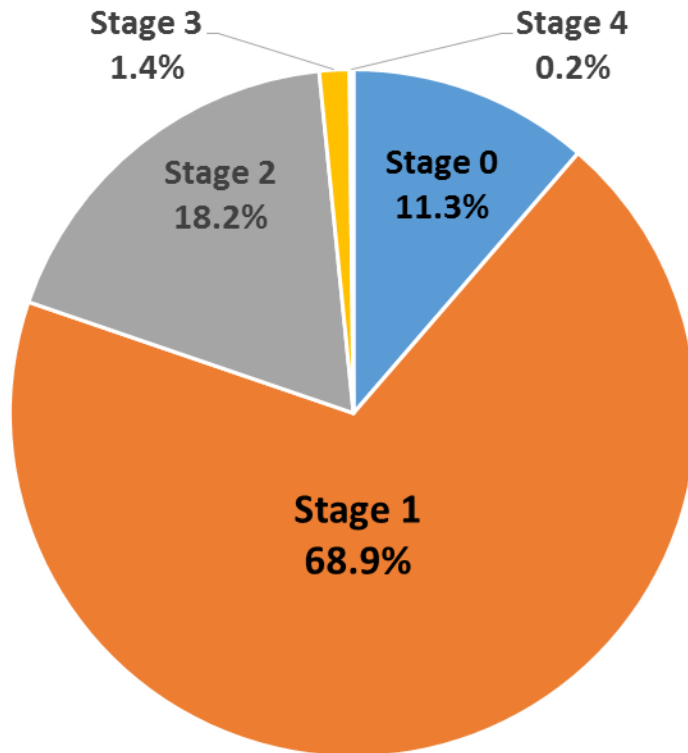
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Note: YourEconomy has changed its data source from NETS to InfoUSA on August, 2016. Based on the data available, we can only estimate churn based on jobs and not establishments.

Source: YourEconomy.org

Economy

Company stages



Establishment Distribution by Stages
Indiana, 2015

An establishment is a physical business location. Branches, standalones and headquarters are all considered types of establishments.



Definition of Company Stages

0	Self-employed	1	2-9 employees
2	10-99 employees	3	100-499 employees
4	500+ employees		

section 03

Industry and occupation

Establishments

Number of Establishments by Company Stages

Stage	2009		2015	
	Establishments	Proportion	Establishments	Proportion
Stage 0	967	15%	981	14%
Stage 1	4,128	66%	4,847	69%
Stage 2	1,065	17%	1,115	16%
Stage 3	79	1%	78	1%
Stage 4	9	0.1%	7	0.1%
Total	6,248	100%	7,028	100%

Questions:

- What stage businesses have shaped the region's economic growth in the last 6 years?
- Which ones are growing or declining the most?
- Which stage of establishments are likely to shape the region's future economic growth?

Industry and occupation

Jobs and Sales

Number of Jobs by Company Stages

Year	2009	2015	% Change
Stage 0	967	1,017	5.2%
Stage 1	15,884	18,684	17.6%
Stage 2	26,820	26,052	-2.9%
Stage 3	12,475	13,061	4.7%
Stage 4	14,406	13,720	-4.8%
Total	70,552	72,534	2.8%

Sales (\$Billion, 2015) by Company Stages

Year	2009	2015	% Change
Stage 0	0.19	0.2	-12%
Stage 1	3.42	4.2	23%
Stage 2	4.80	6.0	25%
Stage 3	2.83	2.4	-14%
Stage 4	2.05	0.7	-65.6%
Total	13.29	13.54	2%

Questions

What establishments are the most numerous based on company stages?

What stages have experienced the largest growth? The greatest decline?

What company stage employs the largest number of people?

What stage captures the most sales?

Which ones have experienced the greatest percentage loss over the 2009-2015 period?

Industry and occupation

Top ten industry sector employment growth

NAICS	Description	2009 Jobs	2015 Jobs	Change	Change (%)	State Change (%)
31	Manufacturing	6,376	8,111	1,735	27%	18%
21	Mining, Quarrying, and Oil and Gas Extraction	1,821	2,262	441	24%	36%
55	Management of Companies and Enterprises	145	179	34	23%	20%
22	Utilities	401	493	92	23%	-9%
53	Real Estate and Rental and Leasing	1,665	1,857	192	12%	5%
11	Crop and Animal Production	4,151	4,561	410	10%	2%
56	Administrative and Support and Waste Management and Remediation Services	2,007	2,204	197	10%	25%
23	Construction	4,680	5,020	340	7%	2%
72	Accommodation and Food Services	4,425	4,721	296	7%	11%
62	Health Care and Social Assistance	6,704	7,068	364	5%	9%

Questions:

- What regional industry sectors have seen the greatest growth?
- Did they grow at the same rate as the state?
- What factors are causing the growth?

Industry and occupation

Seven industry sector employment decline

NAICS	Description	2009 Jobs	2015 Jobs	Change	Change (%)	State Change (%)
51	Information	620	503	-117	-19%	-7%
54	Professional, Scientific, and Technical Services	3,538	2,980	-558	-16%	9%
52	Finance and Insurance	2,309	2,128	-181	-8%	1%
71	Arts, Entertainment, and Recreation	651	608	-43	-7%	1%
42	Wholesale Trade	1,743	1,655	-88	-5%	3%
90	Government	16,289	15,858	-431	-3%	-3%
81	Other Services (except Public Administration)	4,691	4,650	-41	-1%	5%

Questions:

- How does the industry sector make-up of the region compare to the rest of the state?
- Which industry sectors are growing and declining the most in employment?

03 Industry cluster analysis

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Industry cluster analysis

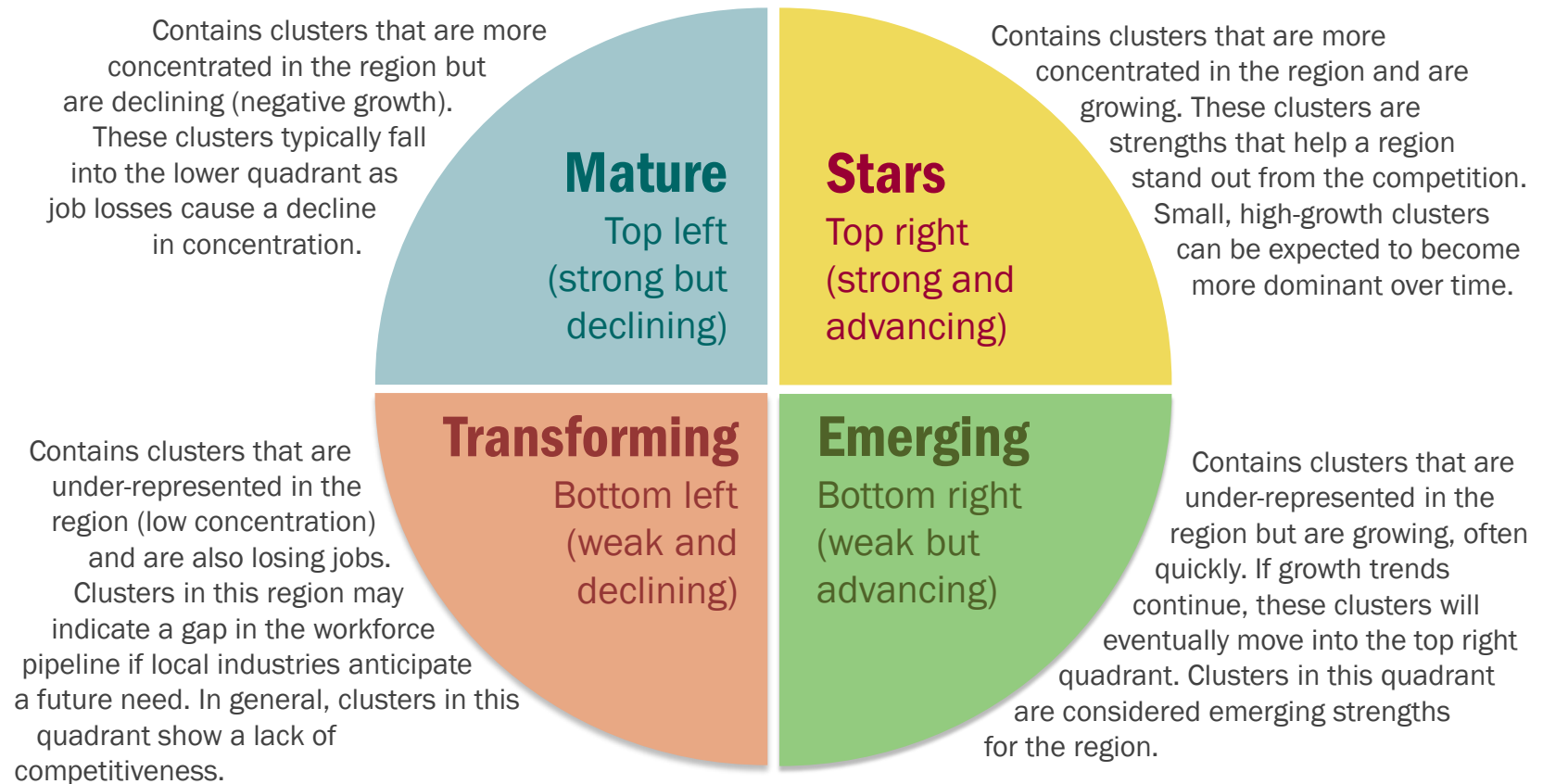
List of Clusters

- Advanced Materials
- Agribusiness, Food Processing & Technology
- Apparel & Textiles
- Arts, Entertainment, Recreation & Visitor Industries
- Biomedical/Biotechnical (Life Sciences)
- Business & Financial Services
- Chemicals
- Computer & Electronic Product Manufacturing
- Defense & Security
- Education & Knowledge Creation
- Electrical Equip, Appliance & Component Manufacturing
- Fabricated Metal Product Manufacturing
- Energy (Fossil & Renewable)
- Forest & Wood Products
- Glass & Ceramics
- Information Technology & Telecommunications
- Machinery Manufacturing
- Mining
- Primary Metal Manufacturing
- Printing & Publishing
- Transportation & Logistics
- Transportation Equipment Manufacturing

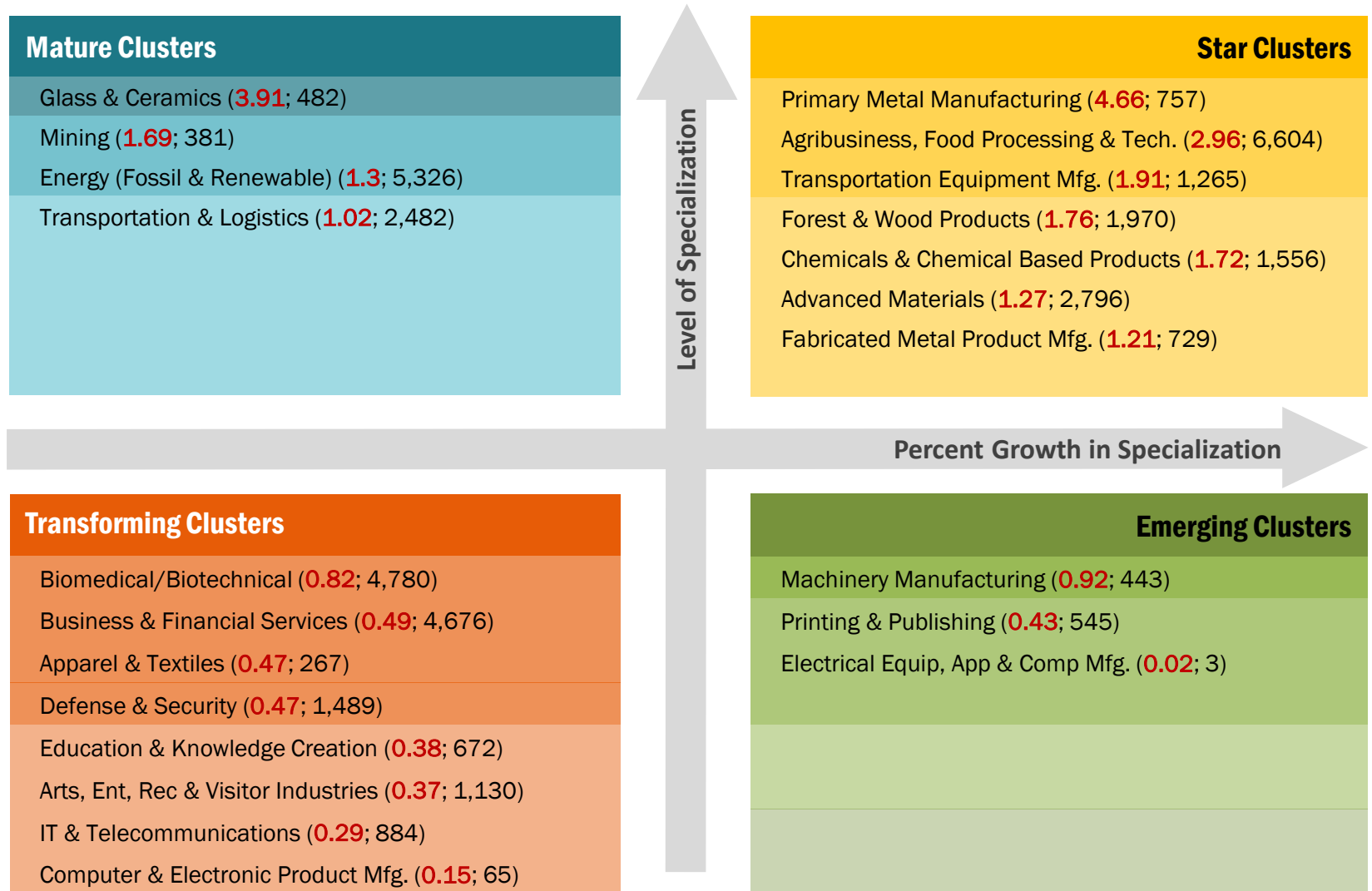
Industry cluster analysis

How to interpret cluster data results

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



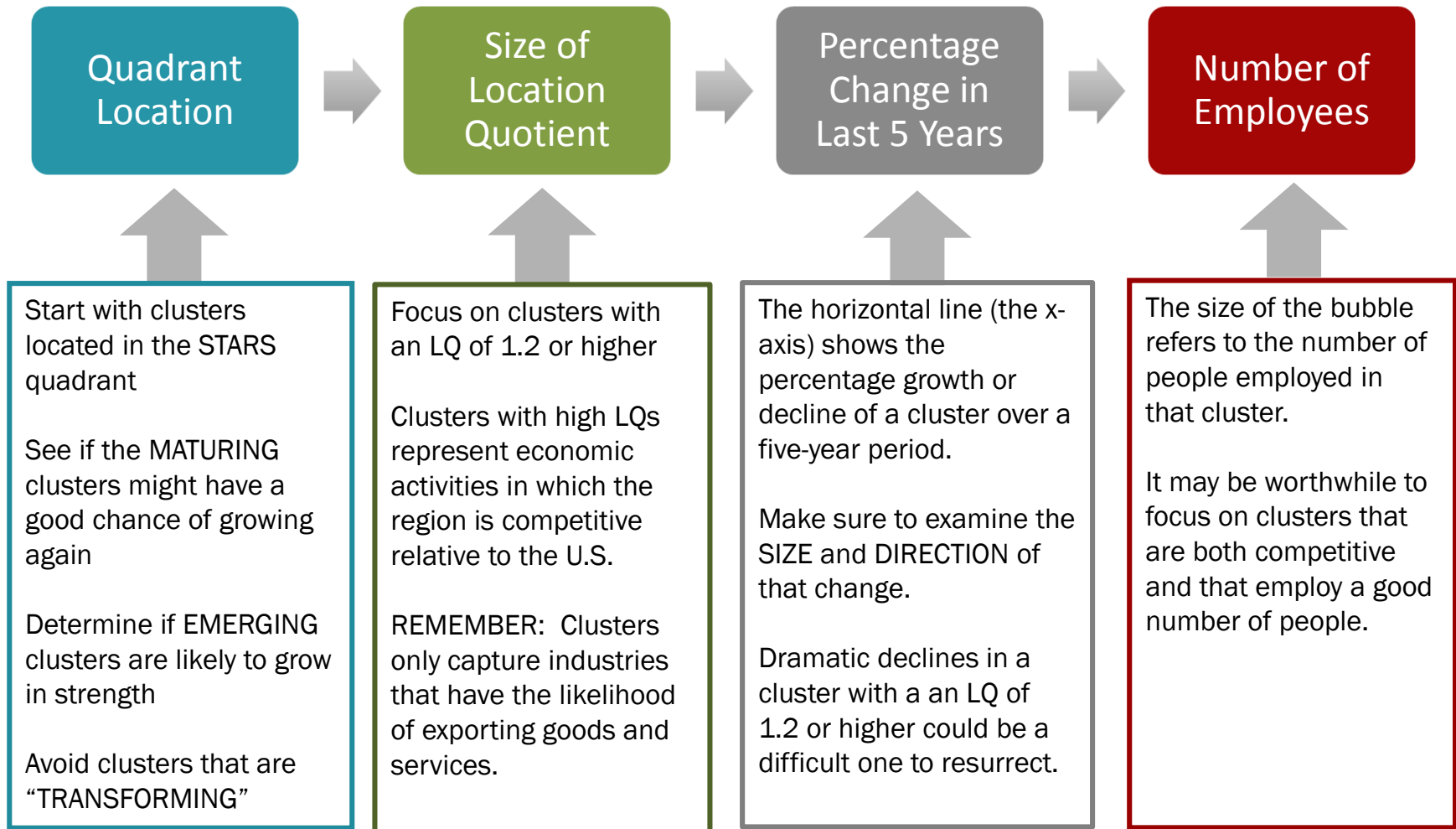
Industry cluster analysis



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NOTE: The first number after each cluster represents the number of total jobs (full and part time jobs by place of work) in that cluster in the region in 2015. The clusters are sorted in decreasing order by location quotient as shown in the bubble chart.

Bubble Chart: What to Look at First



Industry and occupation

Industry cluster bubble chart

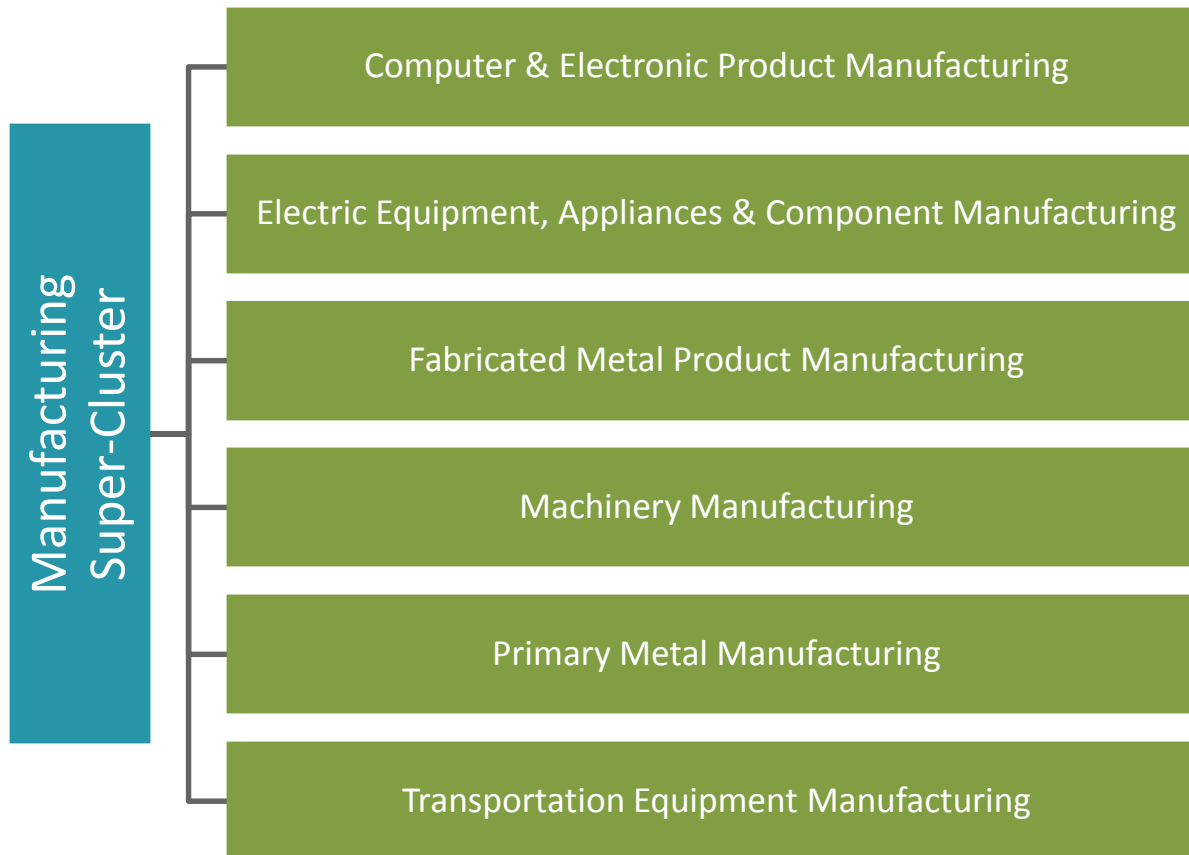


Note: Label includes cluster name, LQ in 2015, and Employment in 2015.

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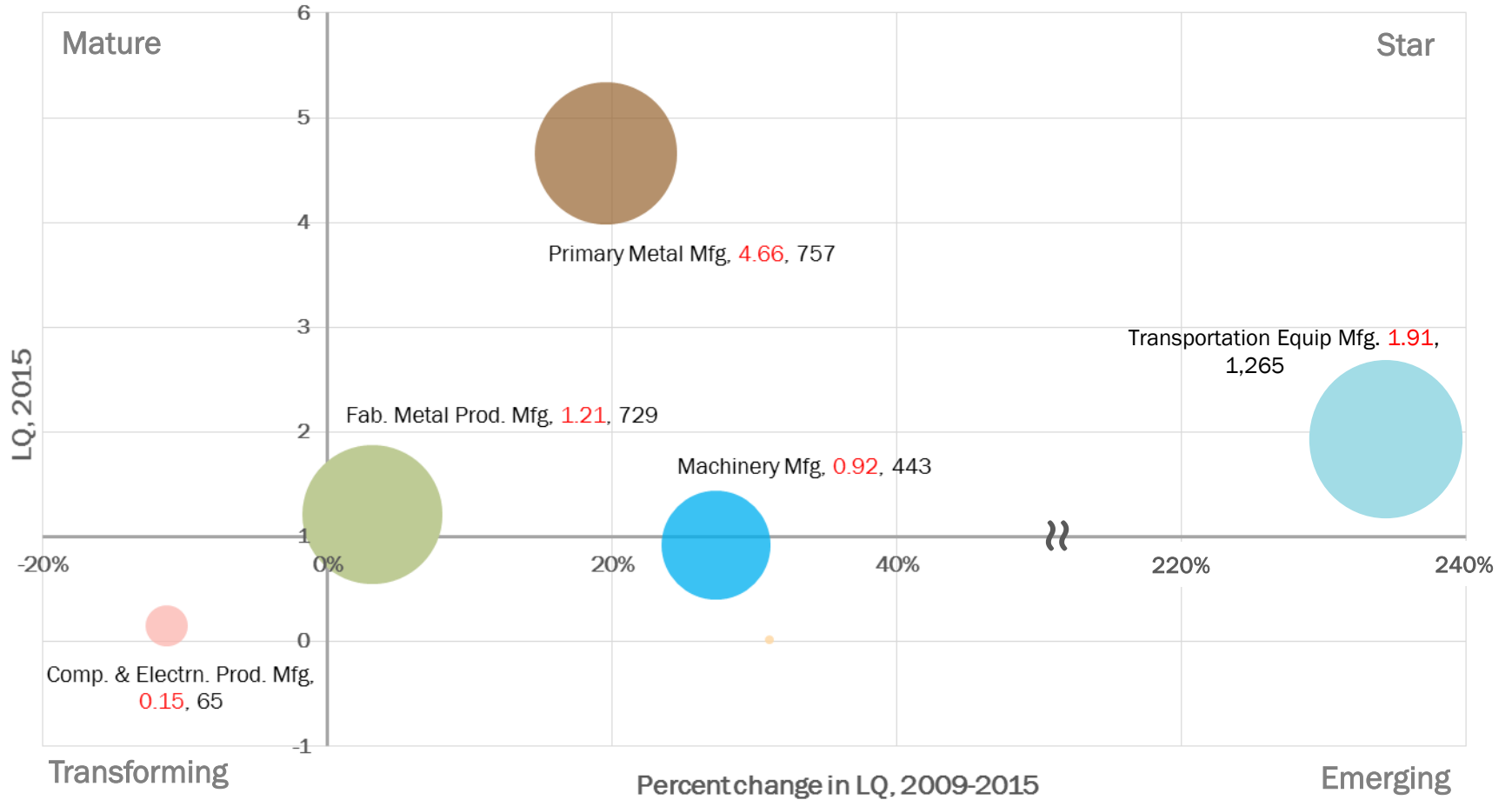
The Manufacturing Super-Cluster

Please note that this is not a cluster that a SET region should select. Rather, focus on the manufacturing sub-clusters that are important to that super-cluster.



Industry and occupation

Manufacturing sub-cluster bubble chart



Note: Label includes cluster name, LQ in 2015, and Employment in 2015. Electrical Equipment Cluster is nonexistent.

Industry and occupation

For your region

Mature Industries

Four industry clusters in the SIDC region is in the Matured stage: Glass & Ceramics; Mining; Energy; and Transportation & Logistics. The mature industries are relatively concentrated, but its growth is trending downward. It is worth noting, however, that the 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 Region, Biomedical; Business & Financial Services; Apparel & Textiles; Defense & Security; Education & Knowledge Creation; Arts, Ent, Rec & Visitor Industries; IT & Telecom; and Computer & Electronic Prod Mfg., eight industry clusters are 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. Seven Star industry clusters in the SIDC region are Primary Metal Mfg.; Agribusiness, Food Processing & Technology; Transportation Equipment Mfg.; Forest & Wood Products; Chemicals; Advanced Materials; and Fabricated Metal Product Mfg. These clusters indicate that they have higher jobs concentration in the region compared to the U.S.

Emerging Industries

Industry clusters that may be poised for future growth are classified as “Emerging.” There are three Emerging clusters in total in the SIDC region: Machinery Manufacturing; Printing & Publishing; and Electrical Equipment, Appliance & Component Mfg.

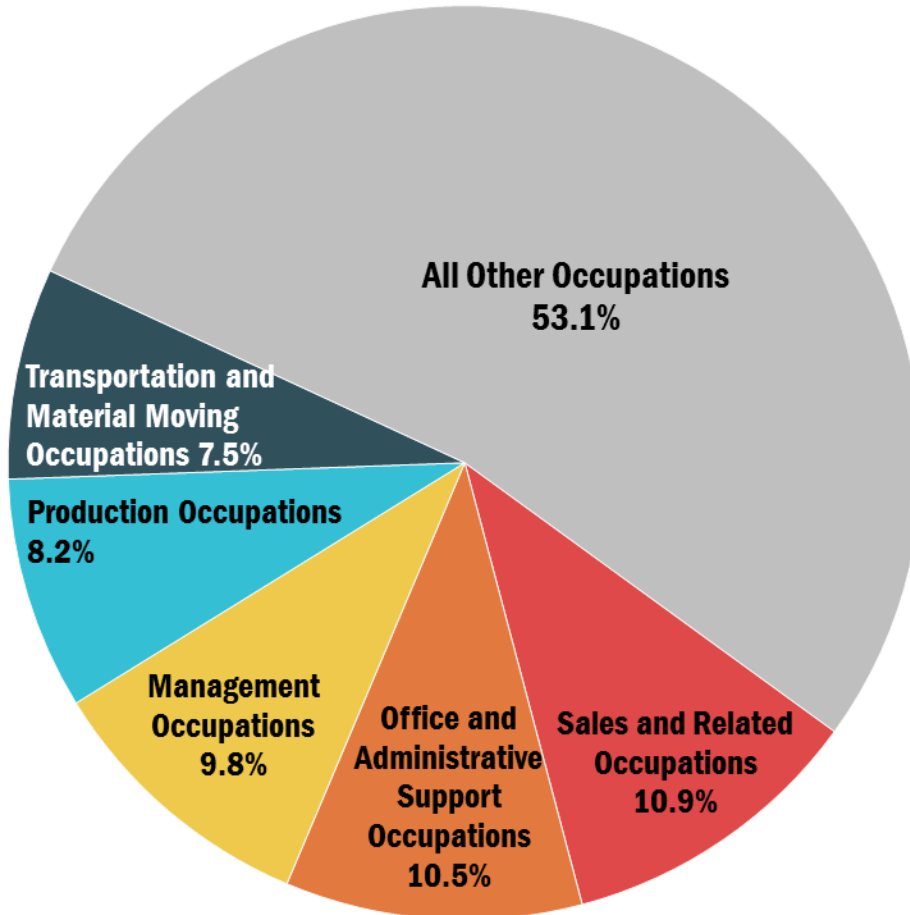
04 occupations

Top occupations

STEM occupations

Industry and occupation

Top five occupations in 2015

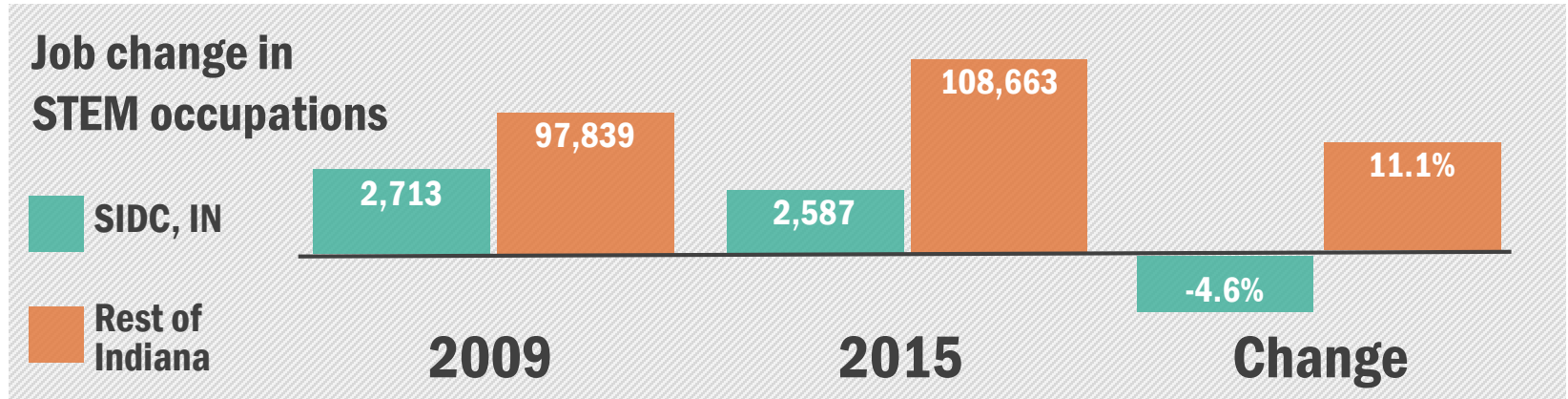


Questions:

- What are the education and skill requirements for these occupations?
- Do the emerging and star clusters align with the top occupations?
- What type salaries do these occupations typically provide?

Industry and occupation

Science, Technology, Engineering & Math



Questions:

- How do STEM jobs compare to the state?
- What has been the trend of STEM jobs over time?
- How important are STEM jobs to the region's Star and Emerging clusters?

Report Contributors

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