

Regional Data Snapshot

Industry Cluster Analysis
SET Session 1

Uwharrie Region, North Carolina

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01 overview

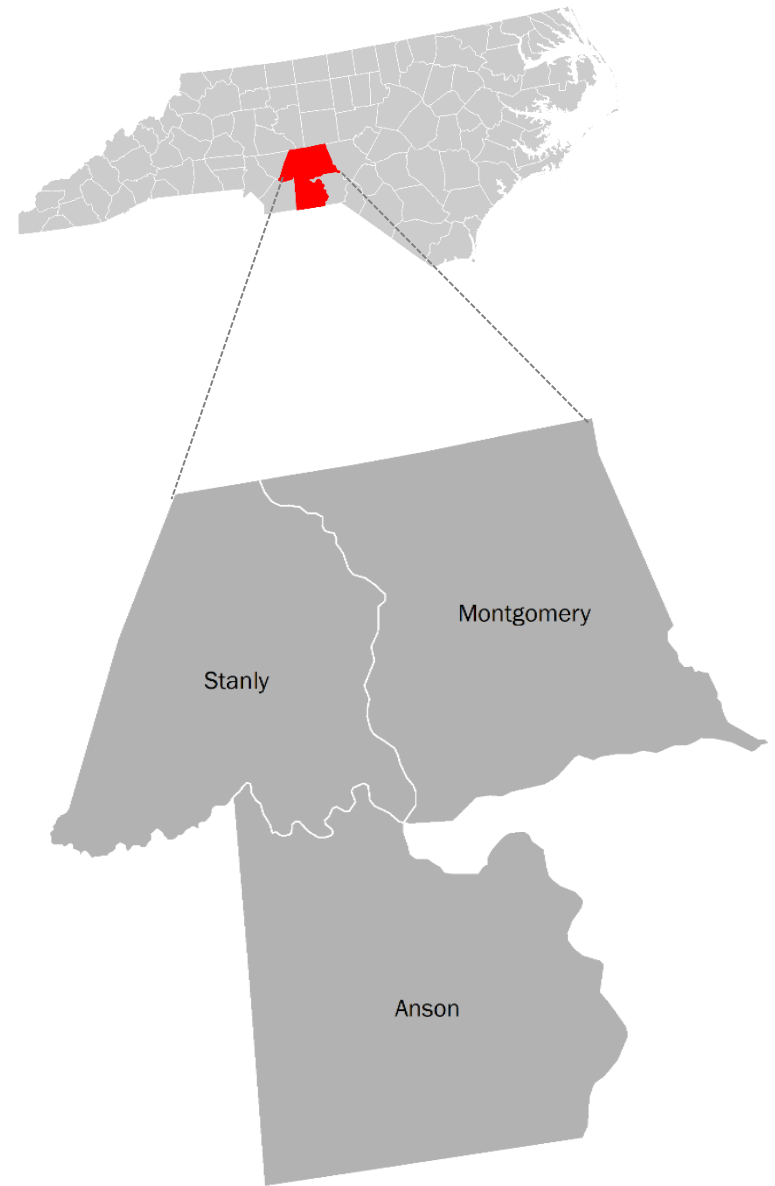
Uwharrie Region, NC

Overview

Uwharrie Region

The Uwharrie Region is comprised of 3 North Carolina counties. Interstate I-73 passes through Montgomery County and connects to Greensboro in the north. State Route 24 connects Stanly County to Charlotte to the west. Major railroads in the region include Aberdeen, Carolina and Western Railway (ACWR) and CSX.

- Anson
- Montgomery
- Stanly



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	+11,548
	Spinoffs	+2,165
	Expansion	+6,080
	In-migration	+499
Lost by	Closings	-15,763
	Contractions	-5,326
	Out-migration	-664
Net change		-1,461

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.

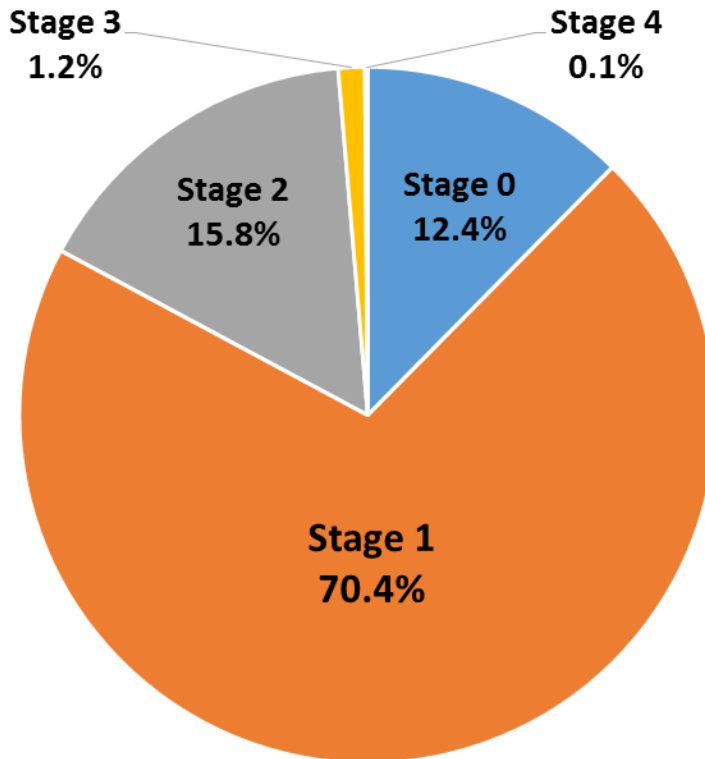
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Note: YourEconomy has changed its data source from NETS to InfoUSA on August, 2016. Based on the data available, we can only estimate churn based on jobs and not establishments.

Source: YourEconomy.org

Economy

Company stages



Establishment Distribution by Stages
North Carolina, 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		

Industry and occupation

Establishments

Number of Establishments by Company Stages

	2009		2015	
Stage	Establishments	Proportion	Establishments	Proportion
Stage 0	791	17%	744	15%
Stage 1	3,192	67%	3,528	69%
Stage 2	730	15%	753	15%
Stage 3	61	1%	54	1%
Stage 4	4	0.1%	4	0.1%
Total	4,778	100%	5,083	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	791	754	-4.7%
Stage 1	11,858	13,009	9.7%
Stage 2	19,431	18,553	-4.5%
Stage 3	10,839	9,142	-15.7%
Stage 4	2140	2,140	0.0%
Total	45,059	43,598	-3.2%

Sales (\$Billion, 2015) by Company Stages

Year	2009	2015	% Change
Stage 0	0.15	0.1	-6%
Stage 1	2.48	2.6	7%
Stage 2	3.20	3.4	7%
Stage 3	1.95	1.9	-5%
Stage 4	0.62	0.3	-58.5%
Total	8.41	8.34	-1%

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 (%)
21	Mining, Quarrying, and Oil and Gas Extraction	159	296	137	86%	38%
55	Management of Companies and Enterprises	397	572	175	44%	12%
56	Administrative and Support and Waste Management and Remediation Services	2,105	2,592	487	23%	27%
72	Accommodation and Food Services	2,453	2,956	503	21%	18%
48	Transportation and Warehousing	747	887	140	19%	17%
61	Educational Services	652	758	106	16%	18%
71	Arts, Entertainment, and Recreation	521	585	64	12%	16%
81	Other Services (except Public Administration)	2,665	2,987	322	12%	13%
31	Manufacturing	7,490	8,209	719	10%	4%
11	Crop and Animal Production	2,051	2,189	138	7%	1%

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

Eight industry sector employment decline

NAICS	Description	2009 Jobs	2015 Jobs	Change	Change (%)	State Change (%)
51	Information	281	217	-64	-23%	10%
42	Wholesale Trade	1,291	1,113	-178	-14%	7%
54	Professional, Scientific, and Technical Services	1,120	973	-147	-13%	17%
90	Government	8,743	8,001	-742	-8%	-1%
23	Construction	3,173	3,033	-140	-4%	-2%
62	Health Care and Social Assistance	5,005	4,891	-114	-2%	5%
44	Retail Trade	5,232	5,193	-39	-1%	10%
52	Finance and Insurance	1,291	1,283	-8	-1%	8%

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

Uwharrie Region, NC

Industry cluster analysis

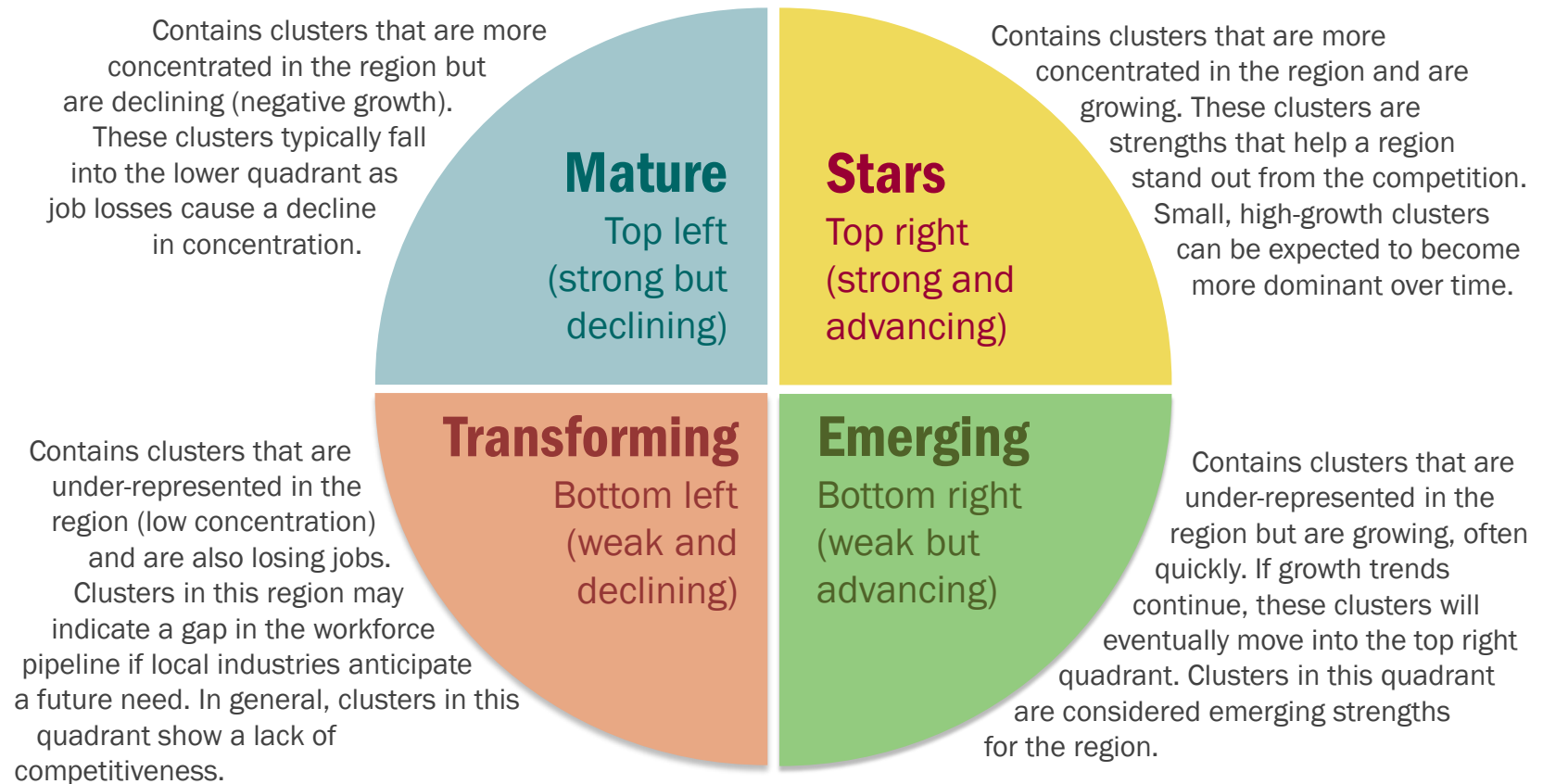
List of Clusters

- 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

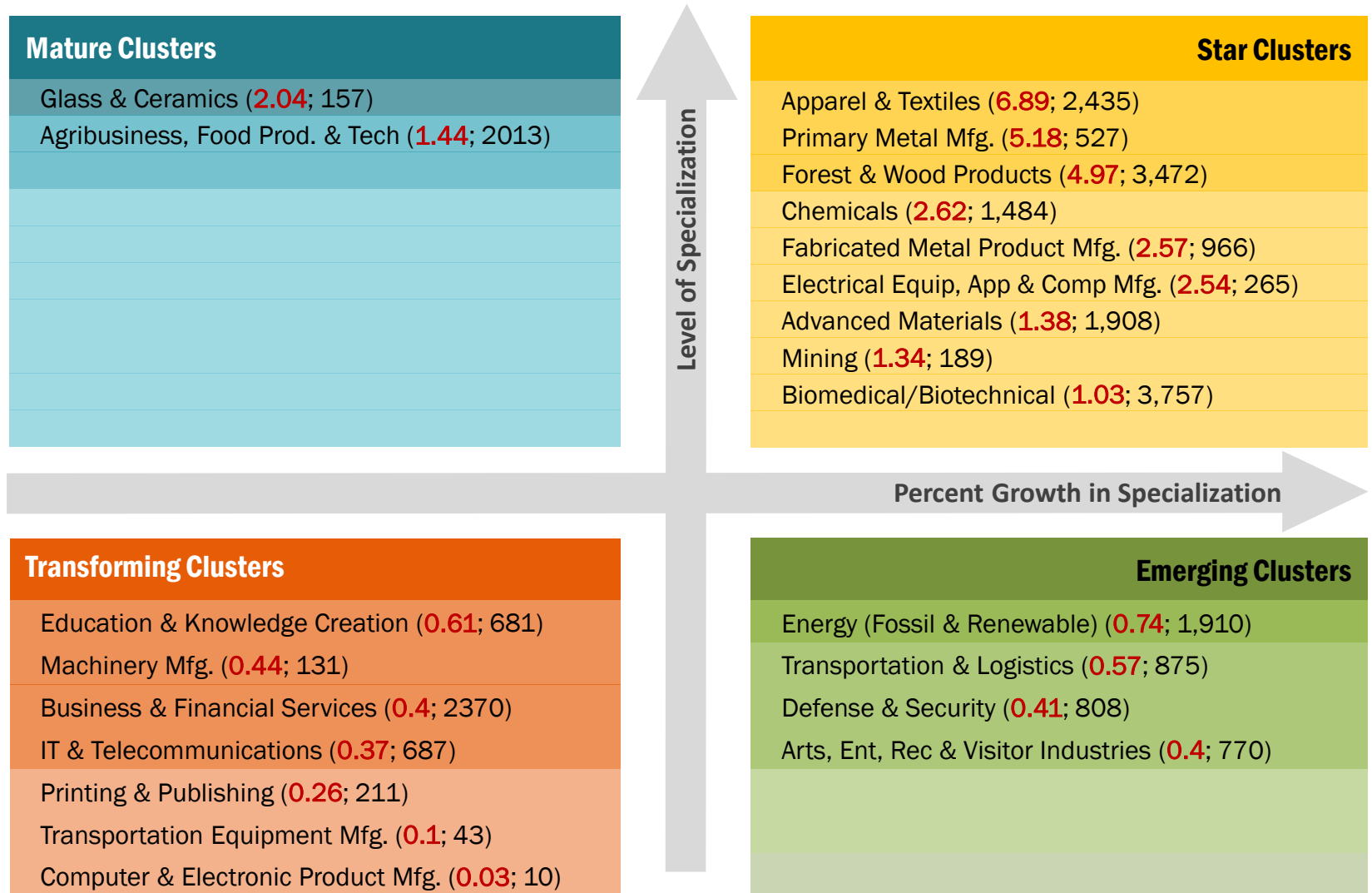
Industry cluster analysis

How to interpret cluster data results

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



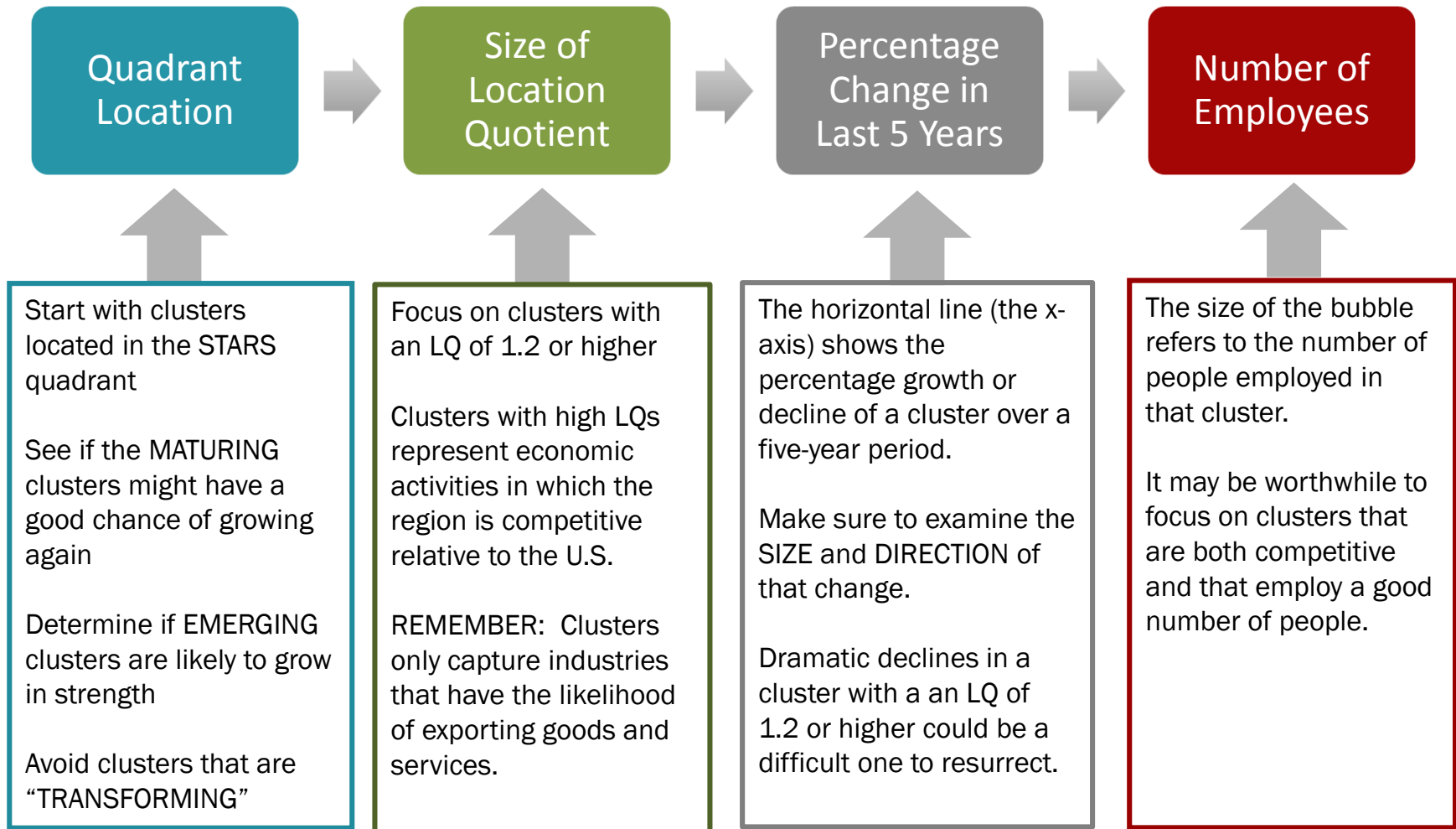
Industry cluster analysis



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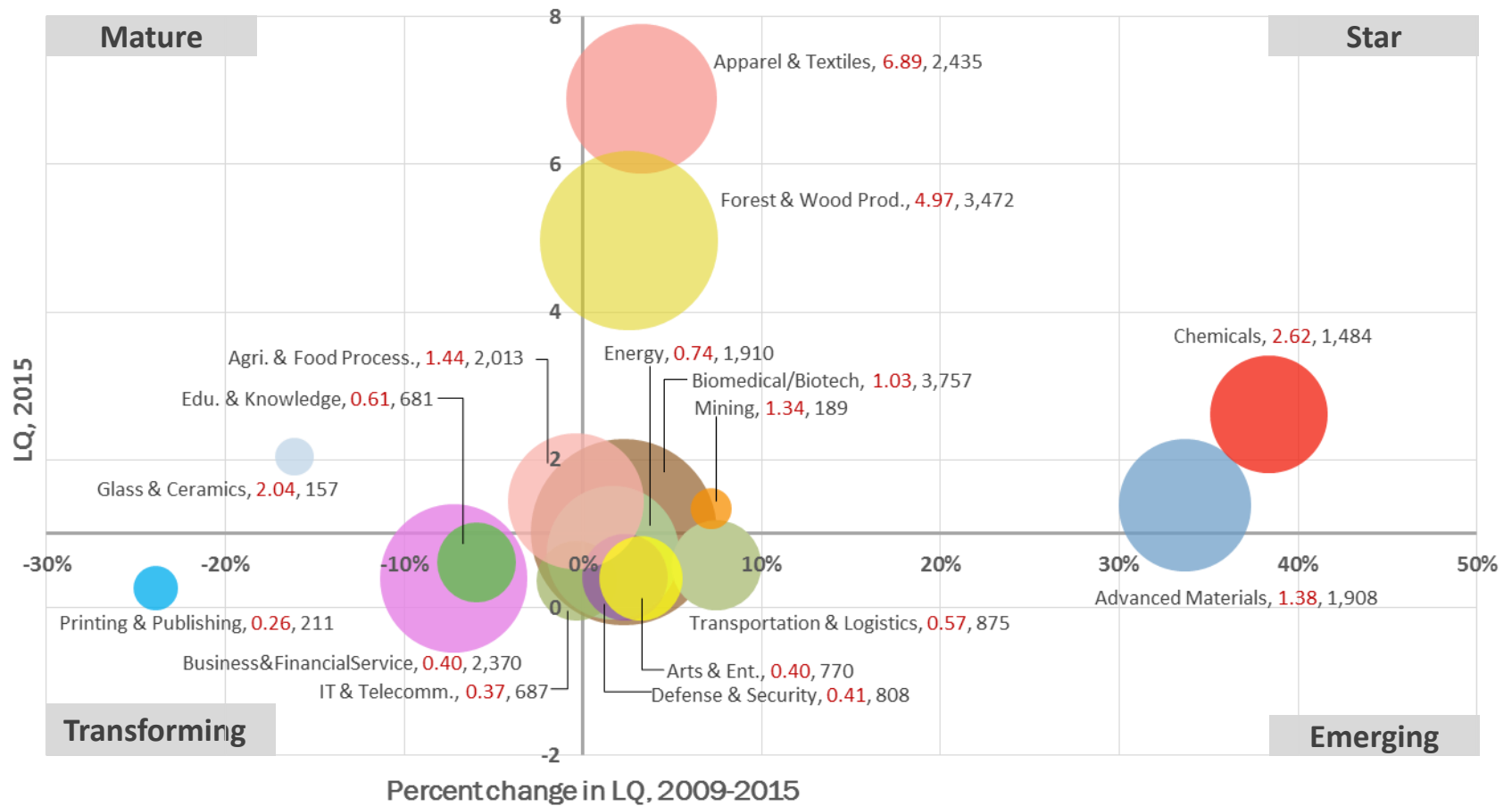
NOTE: The first number after each cluster represents the number of total jobs (full and part time jobs by place of work) in that cluster in the region in 2015. The clusters are sorted in decreasing order by location quotient as shown in the bubble chart.

Bubble Chart: What to Look at First



Industry and occupation

Industry cluster bubble chart

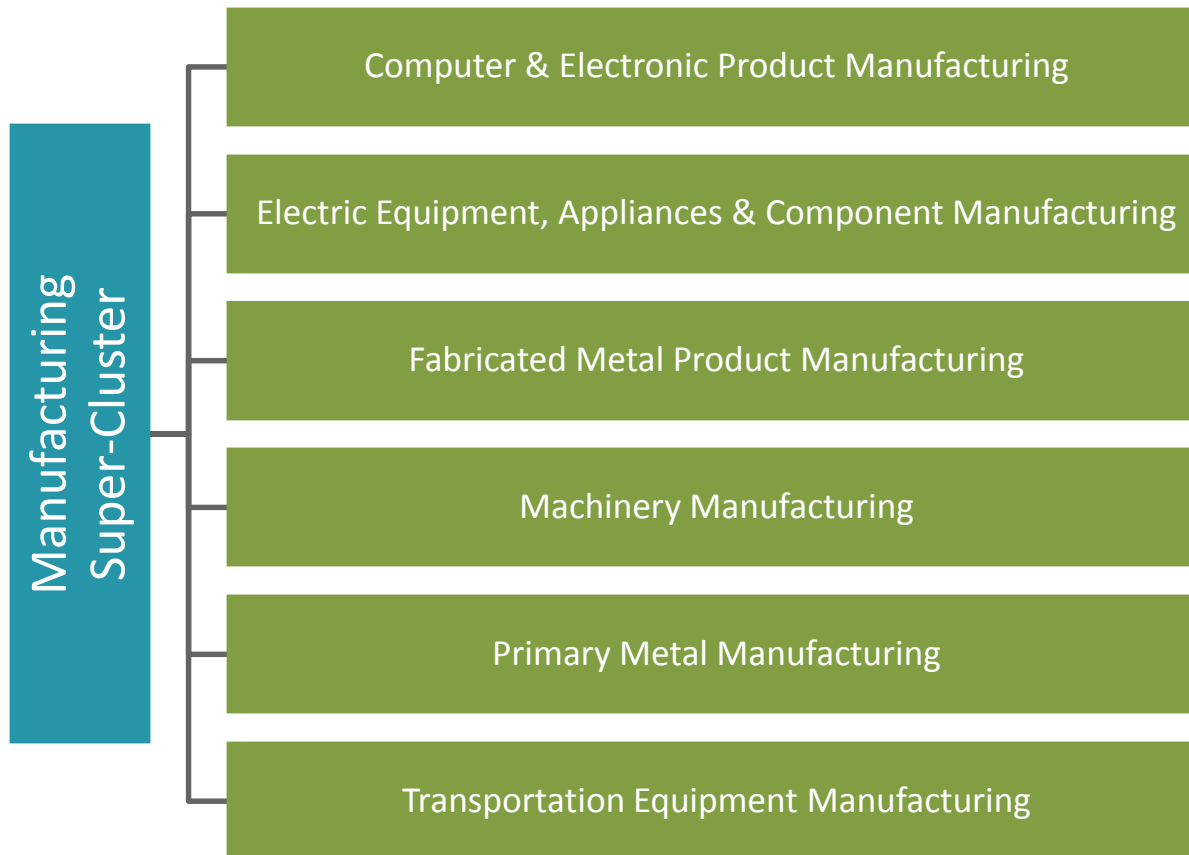


Note: Label includes cluster name, LQ in 2015, and Employment in 2015.

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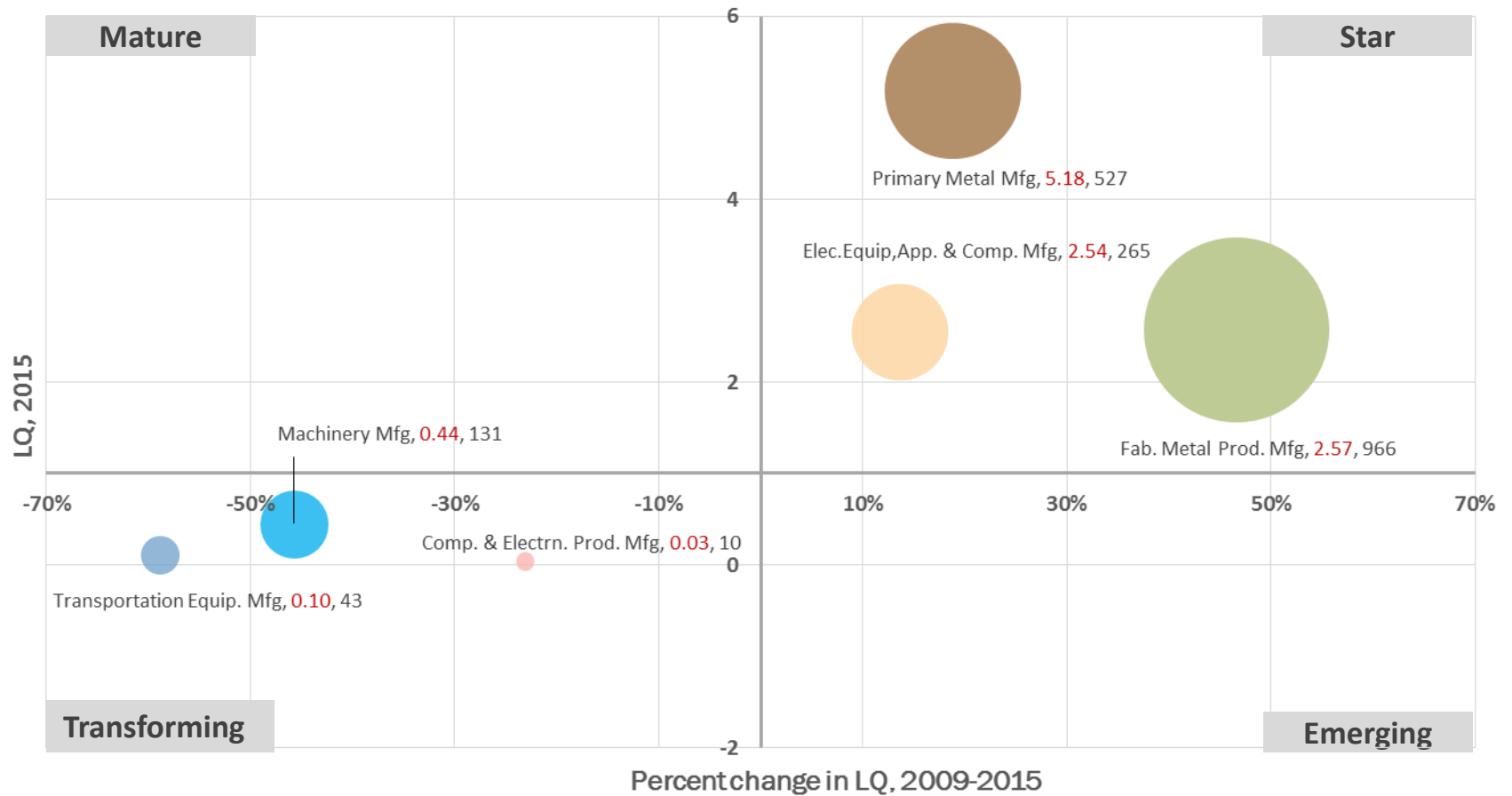
The Manufacturing Super-Cluster

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.

Industry and occupation

For your region

Mature Industries

Two industry clusters in the Uwharrie region is in the Matured stage: Glass & Ceramics; and Agribusiness, Food Processing & Technology. 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, Education & Knowledge Creation; Machinery Mfg.; Business & Financial Services; IT & Telecommunications; Printing & Publishing; Transportation Equipment Mfg.; Computer & Electronic Prod Mfg., seven industry clusters 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. Nine Star industry clusters in the Uwharrie region are Apparel & Textiles; Primary Metal Mfg.; Forest & Wood Prod; Chemicals; Fabricated Metal Prod Mfg.; Elect. Equip, App & Comp Mfg.; Advanced Materials; Mining; and Biomedical. These clusters indicate that they have more 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 four Emerging clusters in total in the Uwharrie region: Energy (Fossil & Renewable); Transportation & Logistics; Defense & Security; and Arts, Entertainment, Recreation & Visitor Industries.

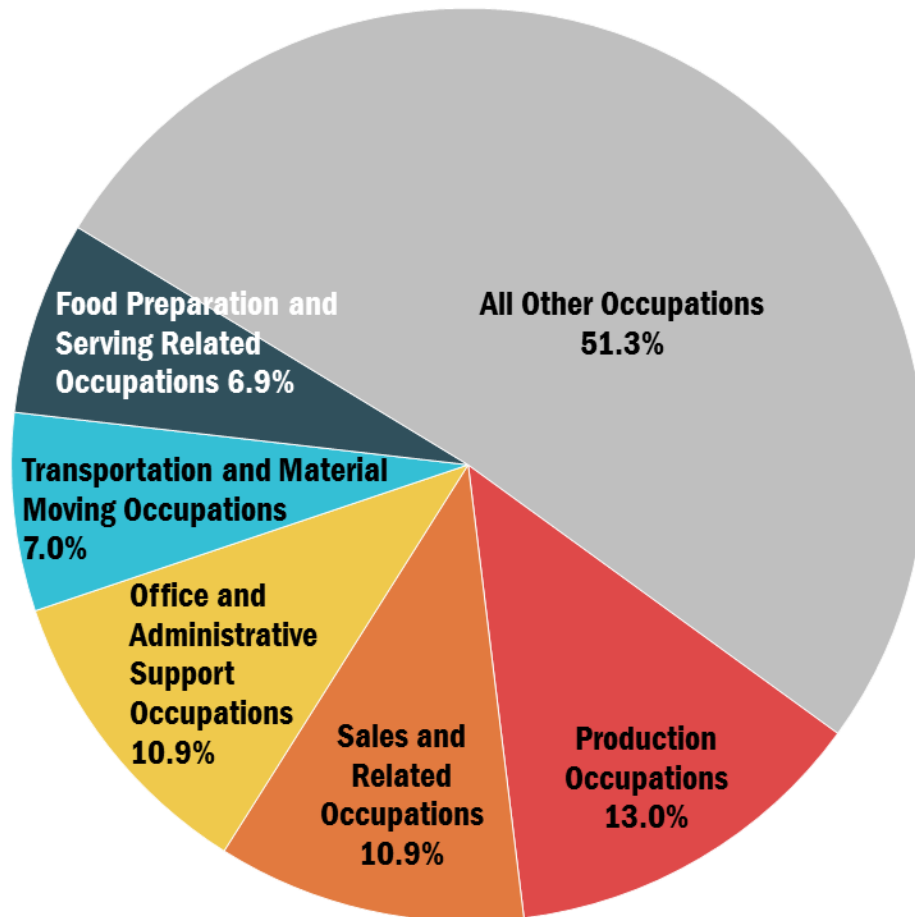
04 occupations

Top occupations

STEM occupations

Industry and occupation

Top five occupations in 2015

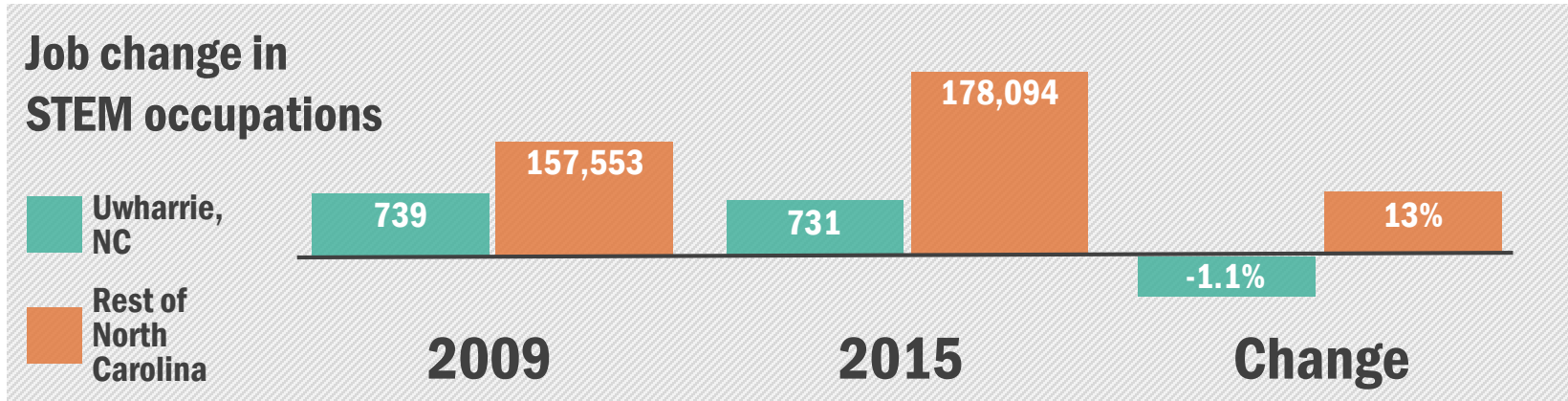


Questions:

- 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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Report Authors

Bo Beaulieu, PhD
Indraneel Kumar, PhD
Andrey Zhalnin, PhD



Data Analysis

Ayoung Kim
Andrey Zhalnin, PhD
Indraneel Kumar, PhD



Report Design

Tyler Wright

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For more information,
please contact:

Dr. Bo Beaulieu,
PCRD Director:
ljb@purdue.edu

Or

765-494-7273

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