

# REGIONAL SNAPSHOT

**Industry Cluster Analysis** 

Northwest South Dakota Region, South Dakota





Center for Regional Development Advancing Collaboration : Energizing Regions

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Overview

# 01 overview

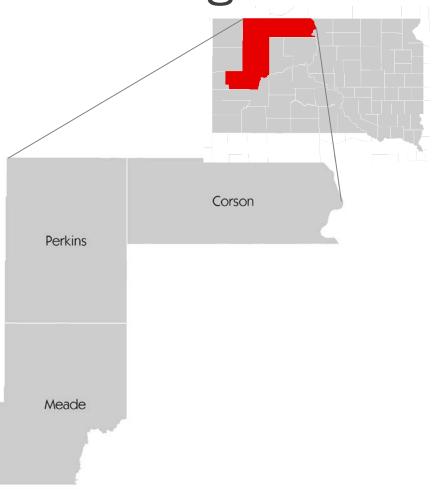
Northwest South Dakota Region, SD

#### **Overview**

# Northwest South Dakota Region

The Northwest South Dakota Region is comprised of three South Dakota counties. I-90 passes through the southwestern edge of the region and state highway 12 passes through the northern edge of the region connecting to I-94 to the west.

- Corson
- Meade
- Perkins



#### section 01

02 industry cluster analysis

Northwest South Dakota Region, SD

#### **Industry cluster analysis**

# How to interpret cluster data results

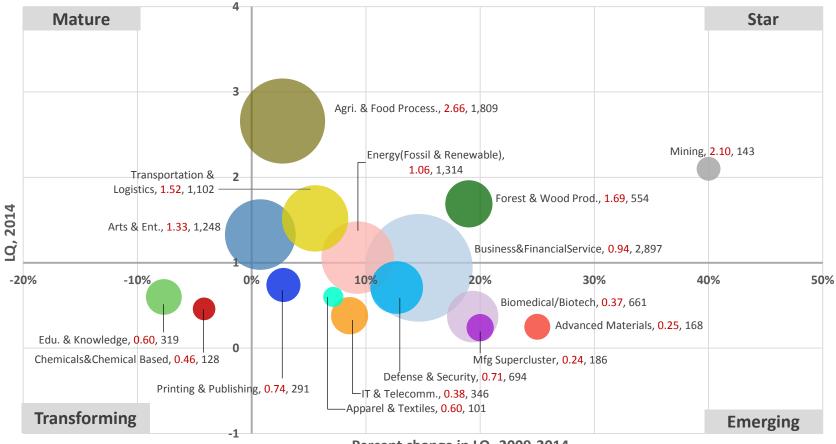
The graph's four quadrants tell a different story for each cluster.

Contains clusters to concentrated in the re- are declining (negative gro- These clusters typically into the lower quadrant a job losses cause a decline in concentration.	gion but owth). fall	concent grow st	usters that are more crated in the region and are ving. These clusters are rengths 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 ma indicate a gap in the workf pipeline if local industries an a future need. In general, clus quadrant show a lack of competitiveness.	ay declining) orce ticipate	quad	Contains clusters that are under-represented in the region but are growing, often quickly. If growth trends continue, these clusters will ventually move into the top right rant. Clusters in this quadrant idered emerging strengths on.

section 02

#### **Industry and occupation**

## Industry cluster bubble chart



Percent change in LQ, 2009-2014

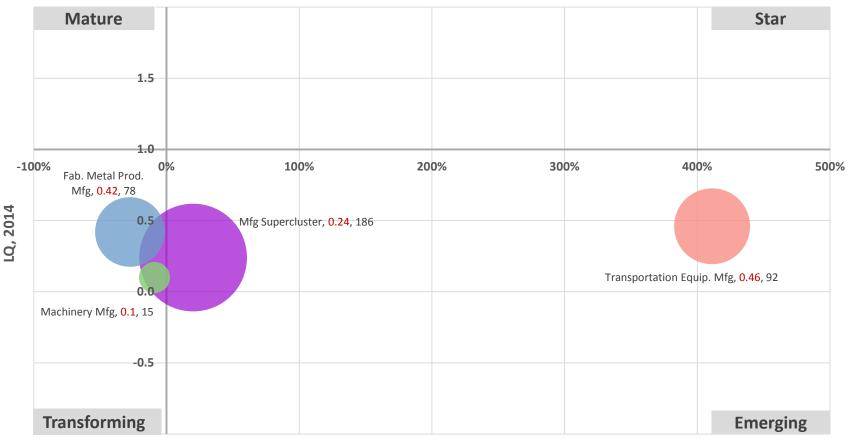
Note: Glass & Ceramics cluster does not exist in the region.

#### section 02

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

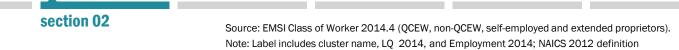
#### **Industry and occupation**

## Manufacturing sub-cluster bubble chart



#### Percent change in LQ, 2009-2014

Note: Electric Equipment, Appliance & Components Mfg., Primary Metal Mfg., Computer & Electronic Product Mfg. subclusters do not exist in the region. Machinery Mfg. has too few jobs.



#### **Industry cluster analysis**

#### **Mature Clusters**

No clusters in this category

Level of Specialization

#### **Star Clusters**

Agribusiness, Food Processing & Tech (2.66; 1,809)

Mining (**2.10**; 143)

Forest & Wood Products (1.69; 554)

Transportation & Logistics (1.52; 1,102)

Arts, Ent, Rec. & Visitor Industries (1.33; 1,248)

Energy(Fossil & Renewable) (1.06; 1,314)

#### Percent Growth in Specialization

#### **Emerging Clusters**

Business & Financial Services (0.94; 2,897) Printing & Publishing (0.74; 291) Defense & Security (0.71; 694) Apparel & Textiles (0.60; 101) Transportation Equipment Mfg. (0.46; 92) Information Technology & Telecom. (0.38; 346) Biomed/Biotechnical (Life Science) (0.37; 661) Advanced Materials (0.25; 168) Manufacturing Supercluster (0.24; 186)

#### **Transforming Clusters**

Education & Knowledge Creation (0.60; 319)

Chemicals/Chemical-based Products (0.46; 128)

Fabricated Metal Product Mfg. (0.42; 78)

Machinery Manufacturing (0.10; 15)

#### section 02

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.

### Industry and occupation Bubble chart interpretation

#### **Mature Industries**

No clusters in Northwest South Dakota Region are in the Maturing stage.

#### **Transforming Industries**

Transforming clusters capture the mix of industries that are experiencing relative decline and limited export capability. In the Northwest South Dakota Region, Education & Knowledge Creation, Chemicals/Chemical-based Products, Fabricated Metal Product Manufacturing, and Machinery Manufacturing, 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 Northwest South Dakota Region is Agribusiness, Food Processing & Technology. Its location quotient is 2.66, indicating that the cluster is 2.5 times more concentrated in the region compared to the U.S. The other strong clusters in the region are Mining, Forest & Wood Products, Transportation & Logistics; Arts, Entertainment, Recreation & Visitor Industries, and Energy (Fossil & Renewable).

#### **Emerging Industries**

Industry clusters that may be poised for future growth are classified as "Emerging." There are nine Emerging clusters in the Northwest South Dakota Region. Top three are Business & Financial Services, Printing & Publishing, and Defense & Security. Other clusters include Apparel & Textiles, Transportation Equipment Mfg., IT & Telecom., Biomed/Biotechnical, Advanced Materials, and Manufacturing Supercluster.