

## Resilience and Spatial Patterns of Mississippi Cotton Product Manufacturing Industry

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### Cotton Product Manufacturing Industry

- Critical importance of cotton industry clusters in its state economy in the United States (Weiher, 1977).
- Synergies to local rural communities of large-scale cotton production to local communities through cotton product manufacturing and retail industries

## Education

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### Cotton Product Manufacturing Industry

- Promising sign of the revitalization of the cotton product manufacturing industry in the U.S. (Lee et al., 2020).
- Purpose: investigate the resilience and competitiveness of the Mississippi cotton industry clusters
- Objective:
- Identify the spatial patterns of cotton industry clusters in Mississippi
- Identify Mississippi cotton industry cluster resilience factors.



#### **Cotton Supply Chains**

Cotton Production

Textile Mills

Textile Product Apparel Manufactu ring

Consumers

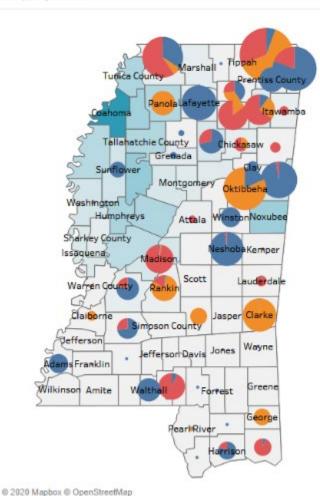
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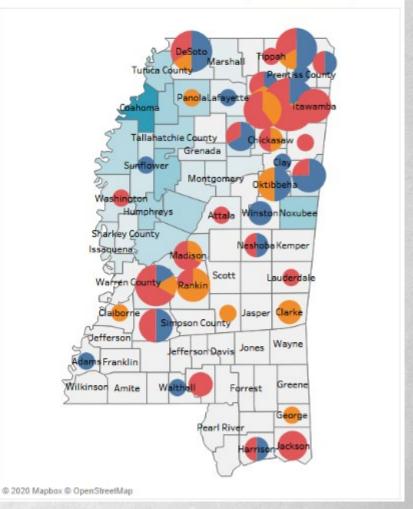
Missisisppi Cotton Product Manufacturing Industry by Employment and Establishment in 2019 Industry Name
Apparel Manufacturing
Textile Mills
Textile Product Mills

**Employment** 

Establishment

Cotton Production
100 750,000





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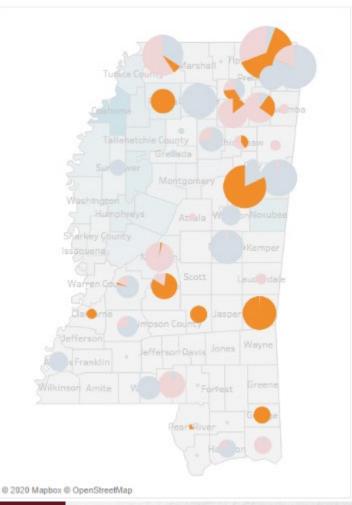
#### Missisisppi Textile Mills by Employment and Establishment in 2019

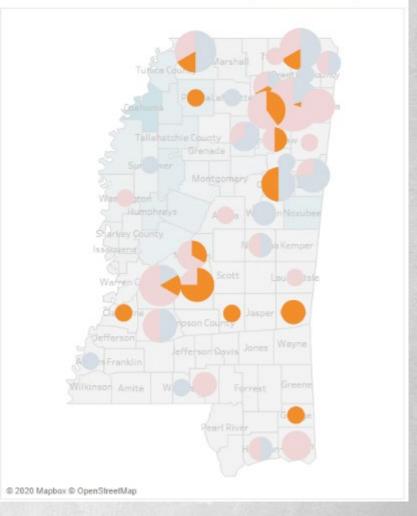
Industry Name
Apparel Manufacturing
Textile Mills
Textile Product Mills

**Employment** 

Establishment

Cotton Production
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Missisisppi Textile Product Industry by Employment and Establishment in 2019

Establishment



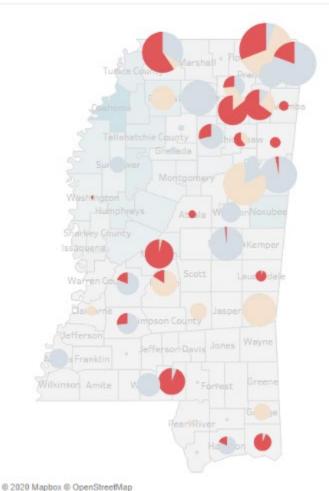
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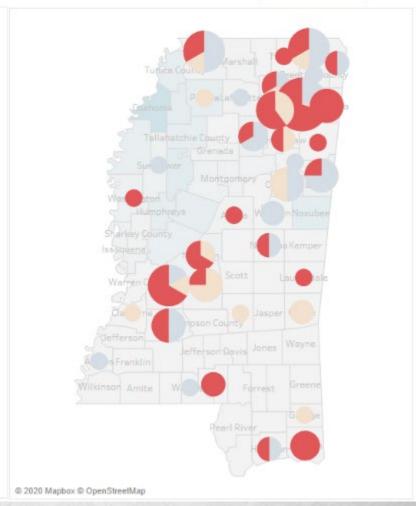
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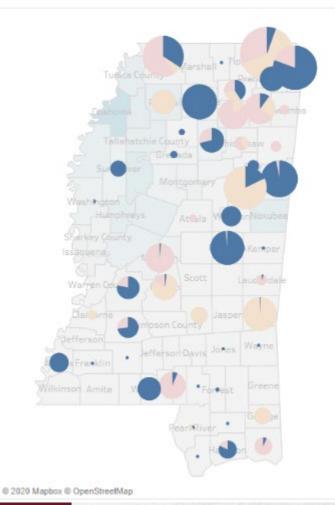
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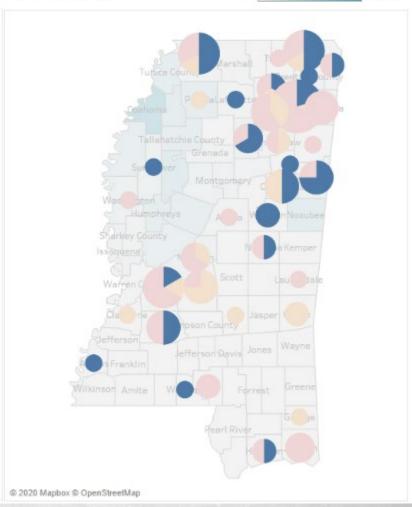
Missisisppi Apparel Manufacturing Industry by Employment and Establishment in 2019

**Employment** 

#### Establishment



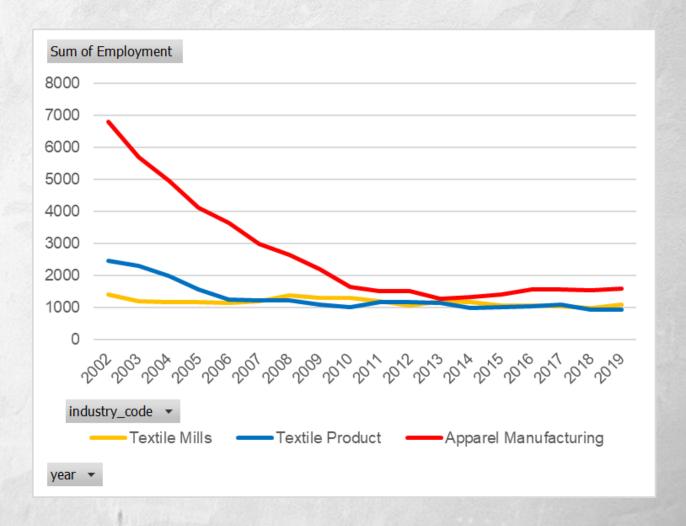




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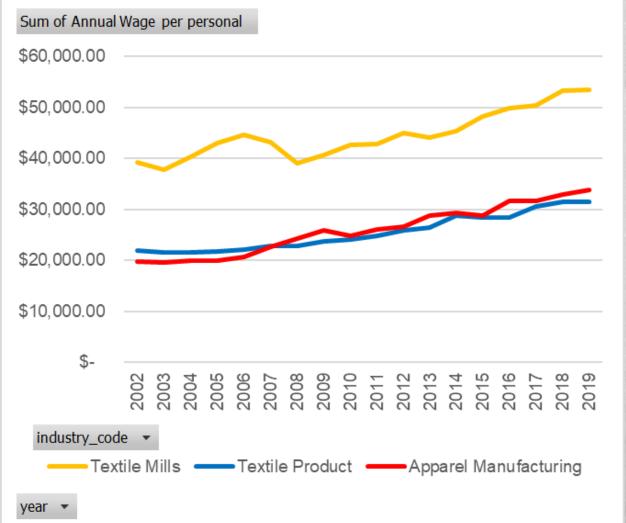


## Cotton Product Manufacturing Industry Structure - Employment



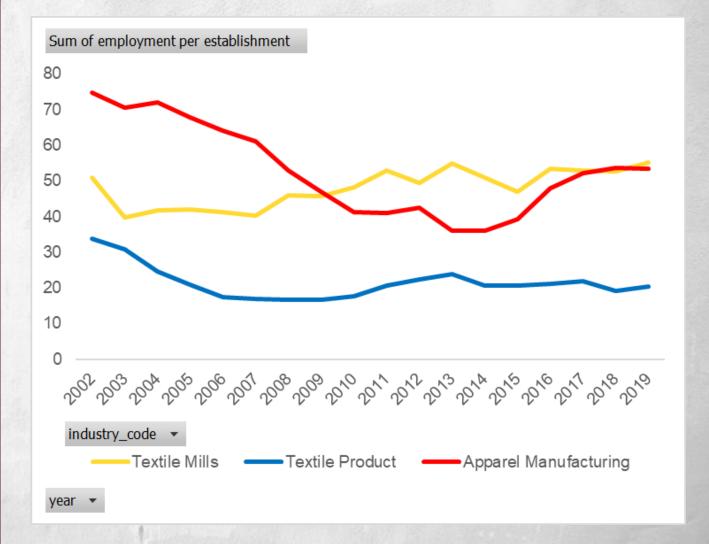


## Cotton Product Manufacturing Industry Structure – Annual Wage





## Cotton Product Manufacturing Industry Structure – Establishment Size



#### What does this mean?

- Cotton Production and Product
   Manufacturing are not necessarily in
   the same location, instead located
   nearby.
- Cotton product manufacturing in Mississippi experienced a significant employment drop, but the textile product and apparel manufacturing became lean in sizes and increased annual salary per worker.

#### What does this mean?

• Employment in all sectors stabilized in the last decade and even shows a small increase in apparel manufacturing.

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#### What is next?

- Increase the connections between cotton production and cotton product manufacturing industry by identifying the manufacturing industry's locations and product offerings.
- Provide technical training to workers to further increase their skills and income (e.g., streamline the curriculum between community college and university programs and provide training workshops).

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#### References

- USDA-National Agricultural Statistics Service (NASS) and the Quarterly Census of Employment and Wages (QCEW) from the U.S. Bureau of Labor Statistics were used to build charts and figures.
- Lee, J., Kim, A., & Chi, T. (2020). Resiliency and structural change of apparel and textile industry clusters in the United States. International Textile and Apparel Association Annual Conference.
- Weiher, K. (1977). The cotton industry and southern urbanization, 1880-1930. *Explorations in Economic History, 14*(2), 120.

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### **Any Questions?**

Thank you!



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