Zooming in on the Census Bureau's 2019 Annual Business Survey

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Group 1

Overview and Direction

- ***Zoom in. Dig deeper.***

- Each member will focus on a dataset.

- Introduction → Questions → Analysis
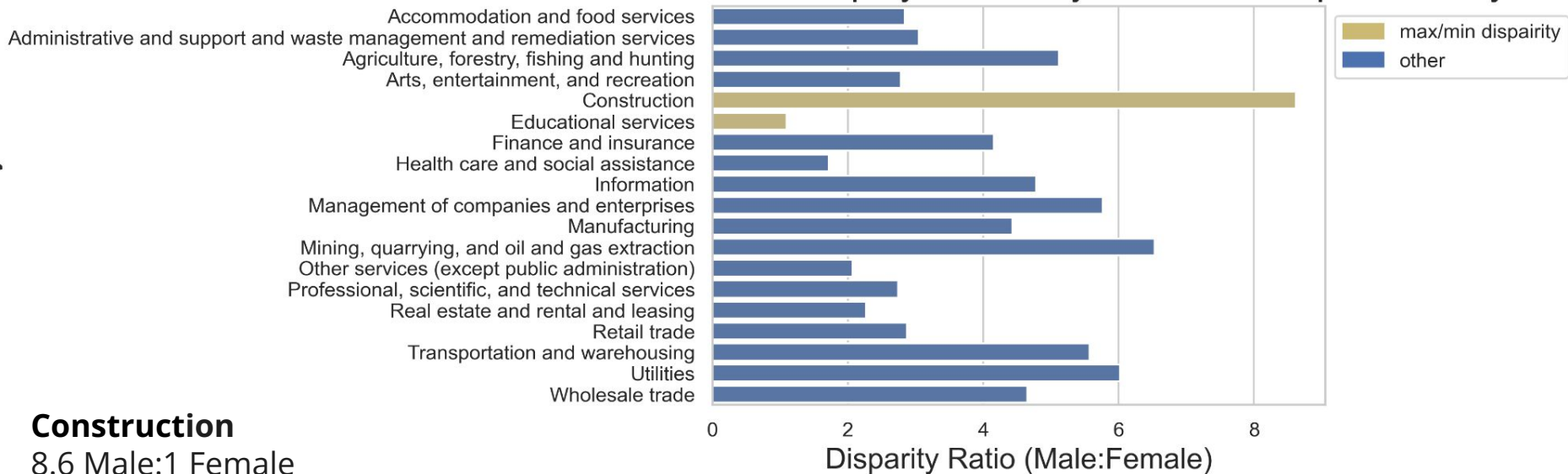
Characteristics of Businesses

Shannon Bayless

Characteristics of Businesses

Questions and Direction

1. What industries have the most ownership disparities across different demographic groups?

Sex

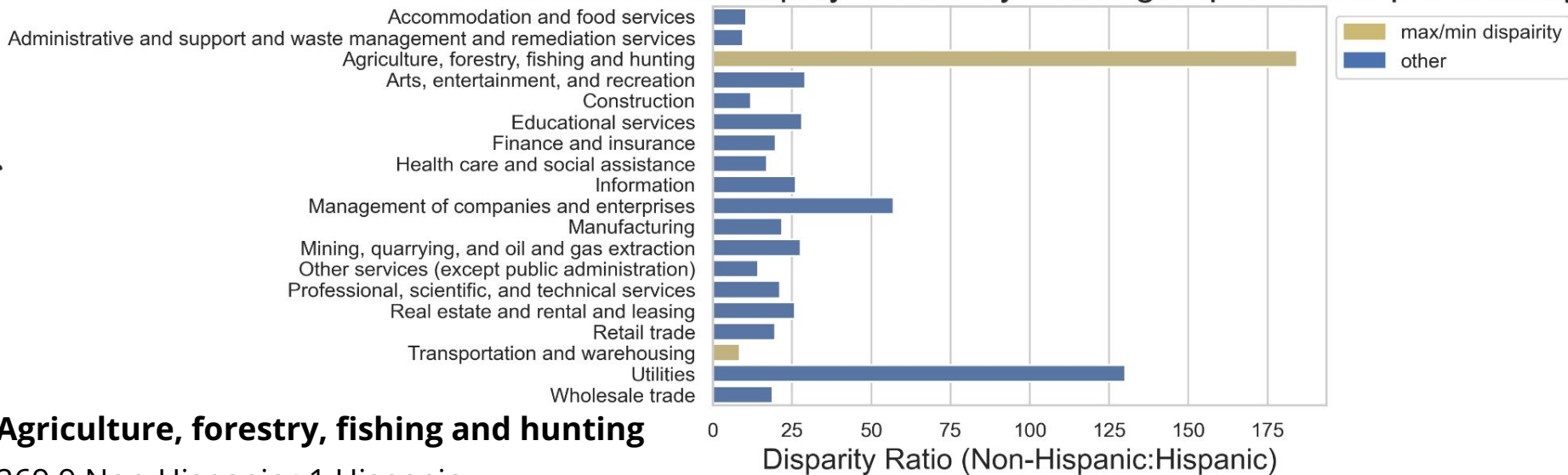Ratio number of employer firms by sex of owner per industry

Construction
8.6 Male:1 Female
Educational Services
1.1 Male: 1 Female

Ethnicity

Ratio number of employer firms by ethnic group of owner per industry
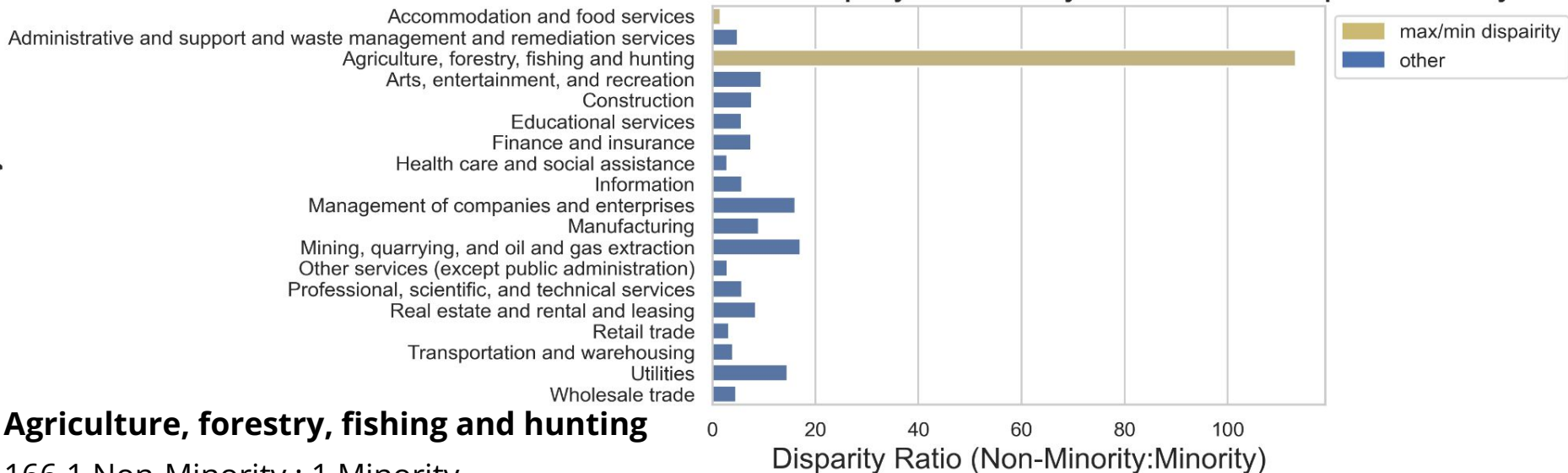

Agriculture, forestry, fishing and hunting

269.9 Non-Hispanic : 1 Hispanic

Transportation and warehousing

8.6 Non-Hispanic : 1 Hispanic

Race

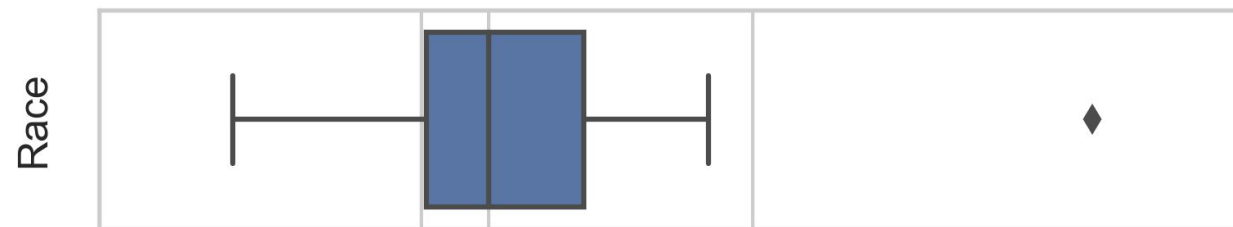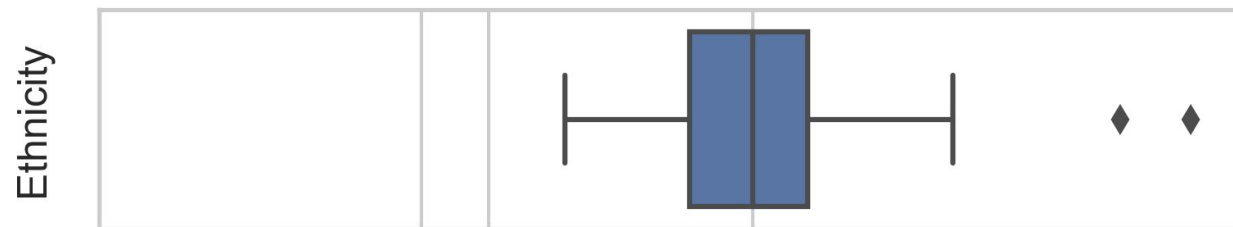Ratio number of employer firms by race of owner per industry

Agriculture, forestry, fishing and hunting

166.1 Non-Minority : 1 Minority

Accommodation and food services

1.6 Non-Minority : 1 Minority

Disparity ratio for all demographic categories

Median Disparity Ratio

Sex: 4.2
Ethnicity: 21.3
Race: 5.8

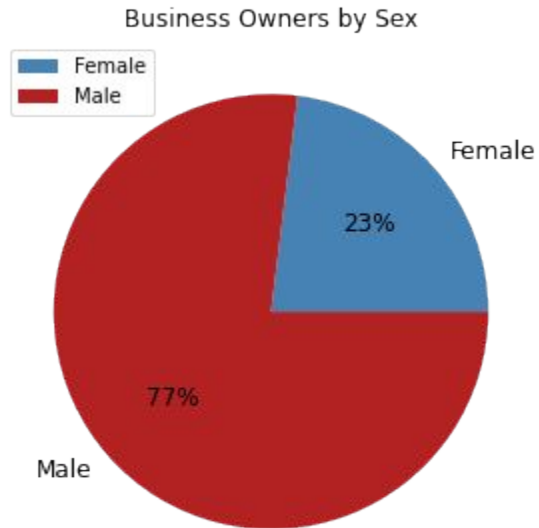Dispairity Ratio (log scale)

Characteristics of Business Owners

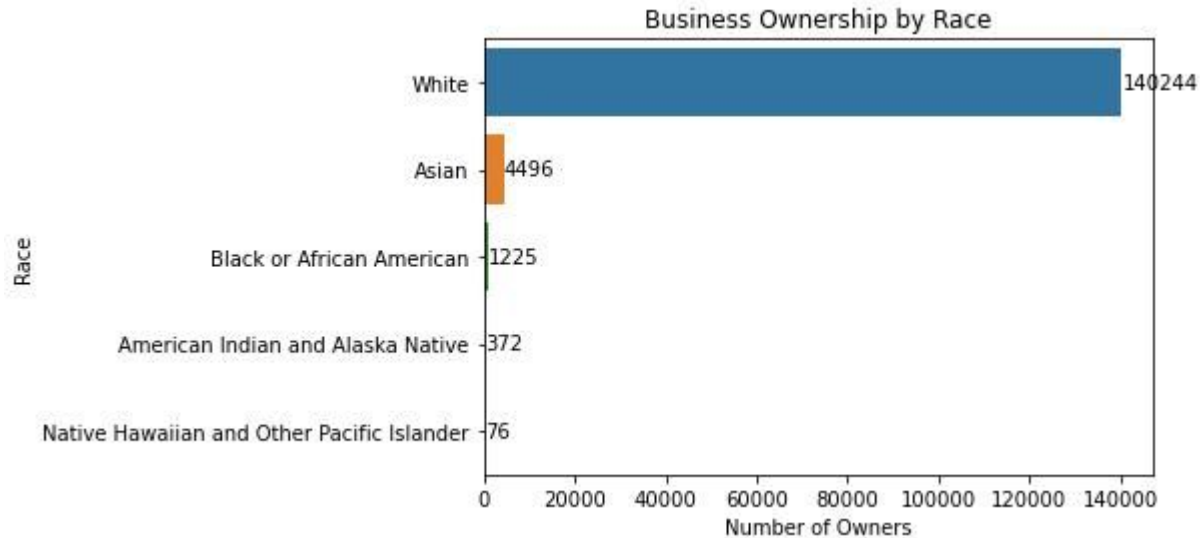Anthony Rondos

Characteristics of Business Owners

Questions and Direction

1. Which groups are underrepresented in business ownership?

2. Which groups are overrepresented in business ownership?

3. Where in the U.S to business owners tend to reside?
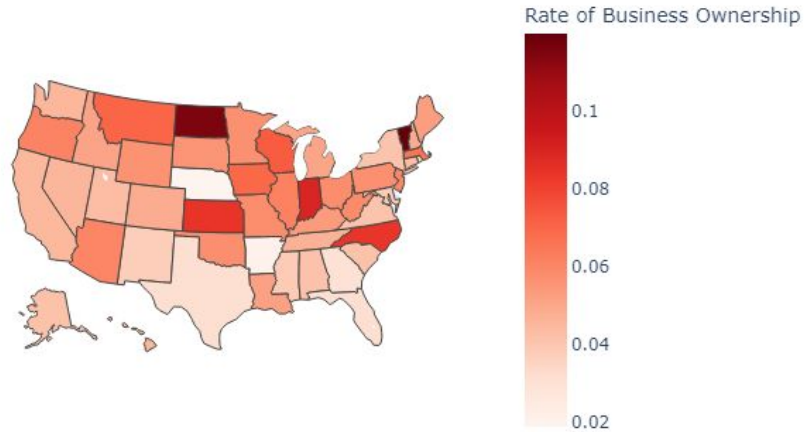
Business Owners Sex Breakdown

Business Owners Racial Breakdown

Business Owners Geographical Breakdown

Business Owner Respondants Per 100 People by U.S State
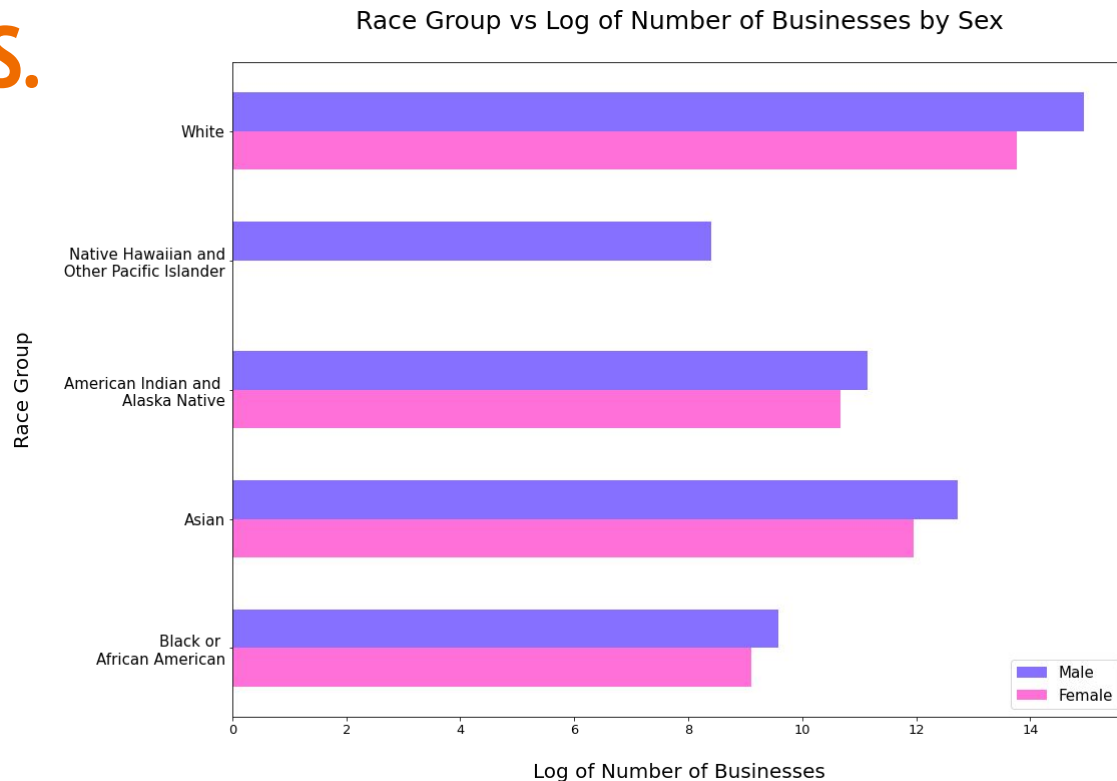
Company Summary

Adam Brewer

Company Summary

Questions and Direction

1. What do demographics look like across the U.S. for businesses?

2. What do demographics look like for the state with the highest firm count-to-population ratio ?

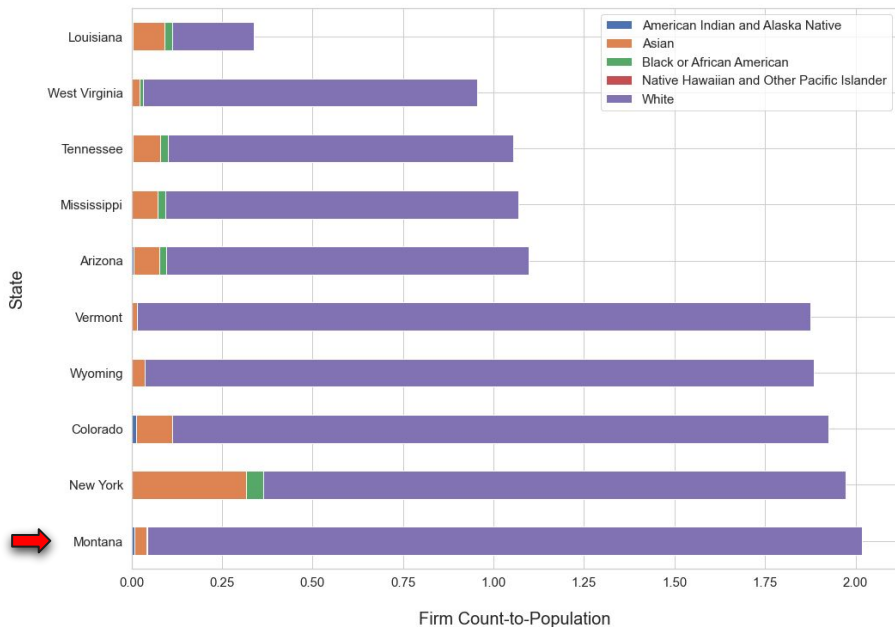3. What do demographics look like for the most diverse state?

What do demographics look like across the U.S. for businesses?

- **Why log?** Without using a log on the number of businesses, White nearly becomes the only race group visible even though other race groups have significant reporting values.

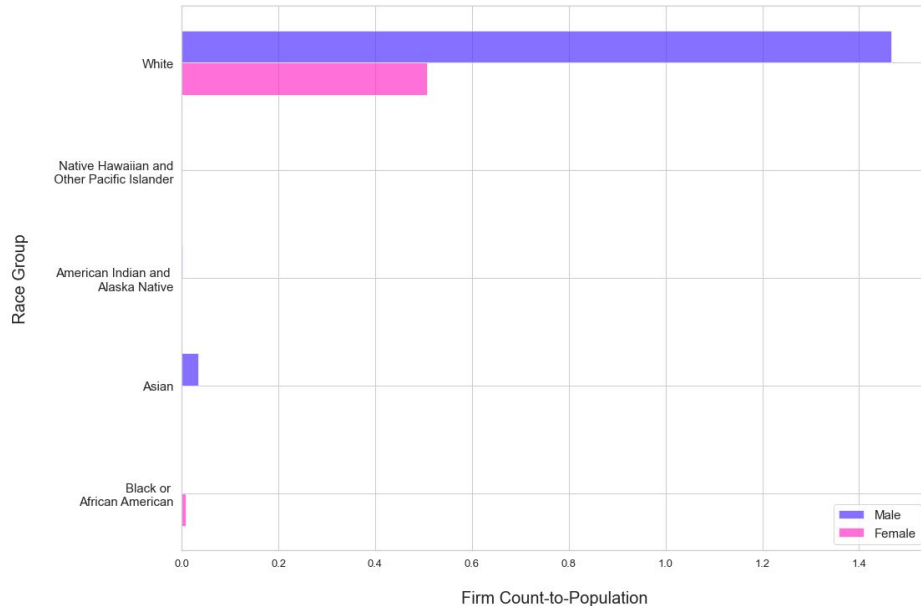Race Group vs Log of Number of Businesses by Sex

What do demographics look like for the state with the highest firm count-to-population ratio ?

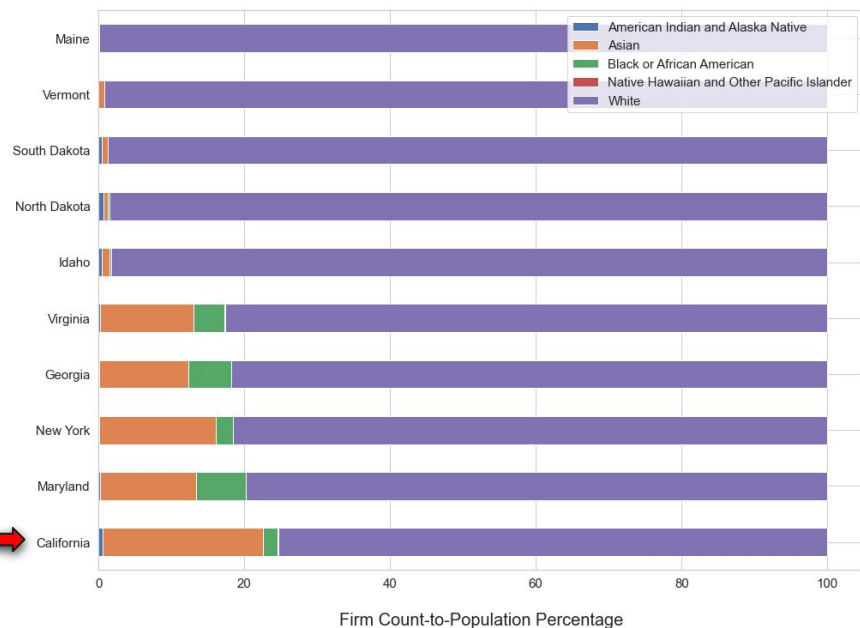Top 5 & Bottom 5 States vs. Firm Count-to-Population Ratio by Race groups

Race Group vs Firm Count-to-Population by Sex in Montana
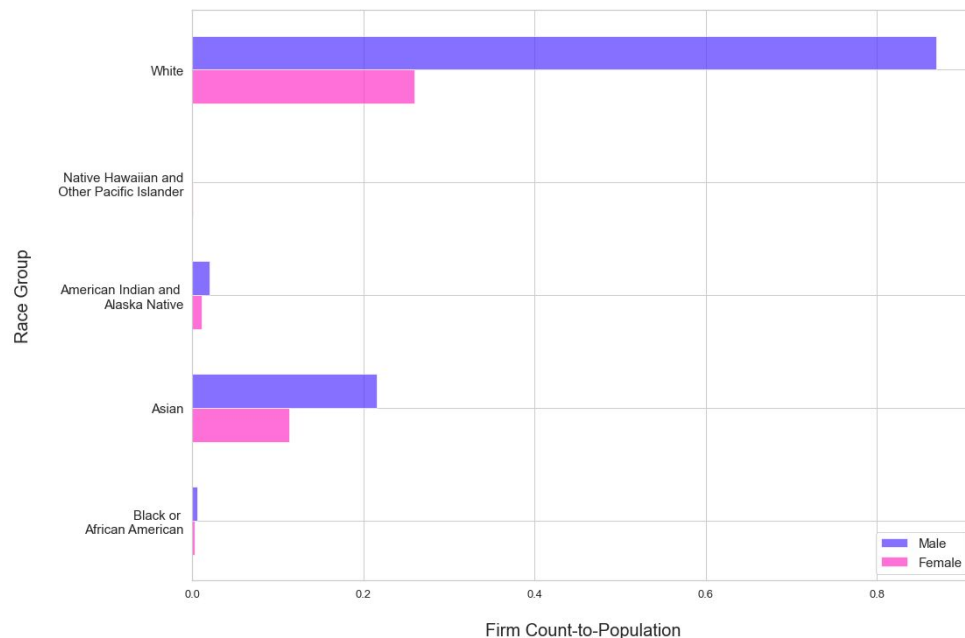
What do demographics look like for the most diverse state?

Top 5 & Bottom 5 States vs. Firm Count-to-Population Ratio based on Percent by Race Groups ranked by State Diversity Score

Race Group vs Firm Count-to-Population by Sex in California

Technology Characteristics of Businesses
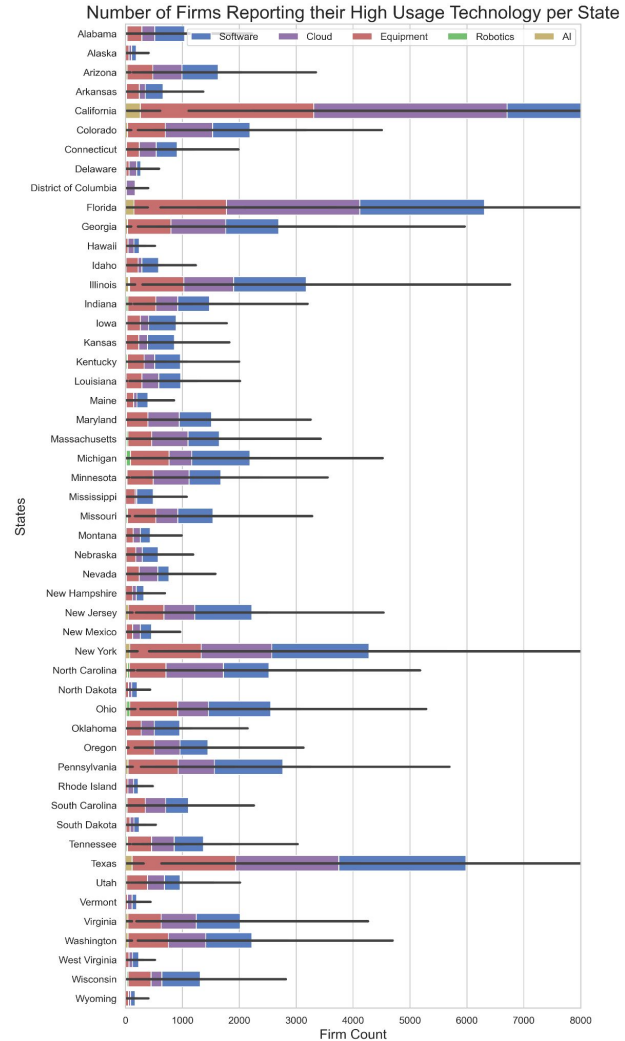
Stephanie Leiva

Technology Characteristics of Businesses

Questions and Direction

1. Which state has the highest firm count-to-population ratio in the technology survey?

2. In that top state, which technology was in high use?

3. In the top technology in that top state, which industry used it the most?

Why not all state? Why not CA?

- Overwhelming all-state chart

- California might have the largest count of firms in the survey, but is California's data the best representation of the entire state?

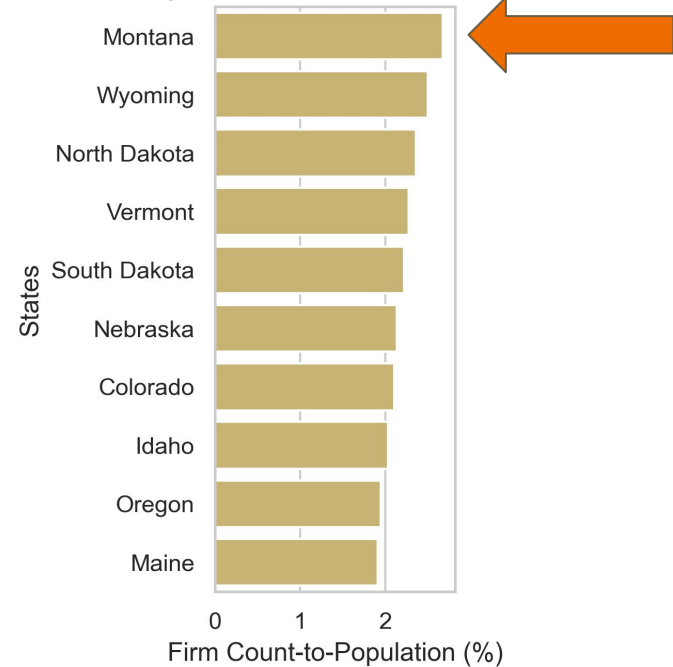Number of Firms Reporting their High Usage Technology per State

Which state had the highest firm count-to-population ratio in the technology survey?
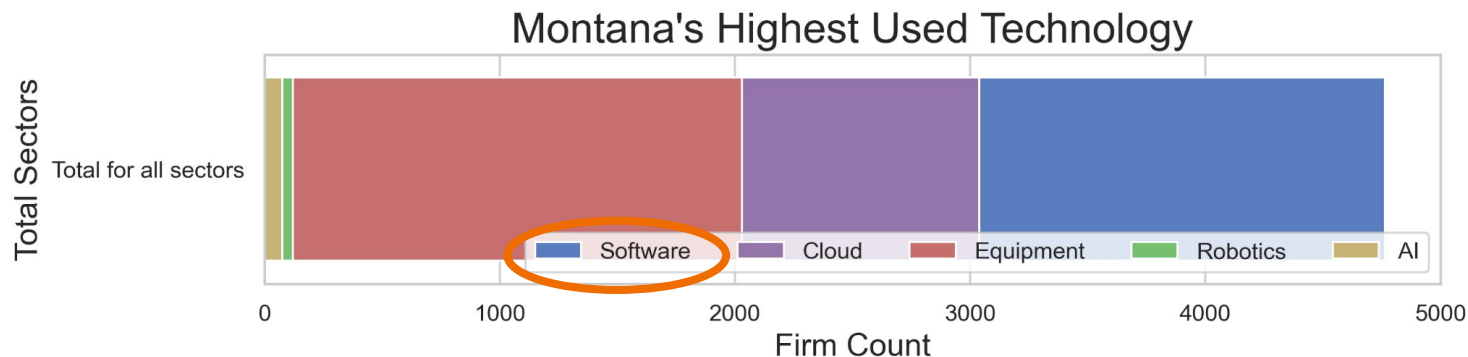
- Even though California has the largest population and firm count, Montana's firm count is the best representation of their state's population.

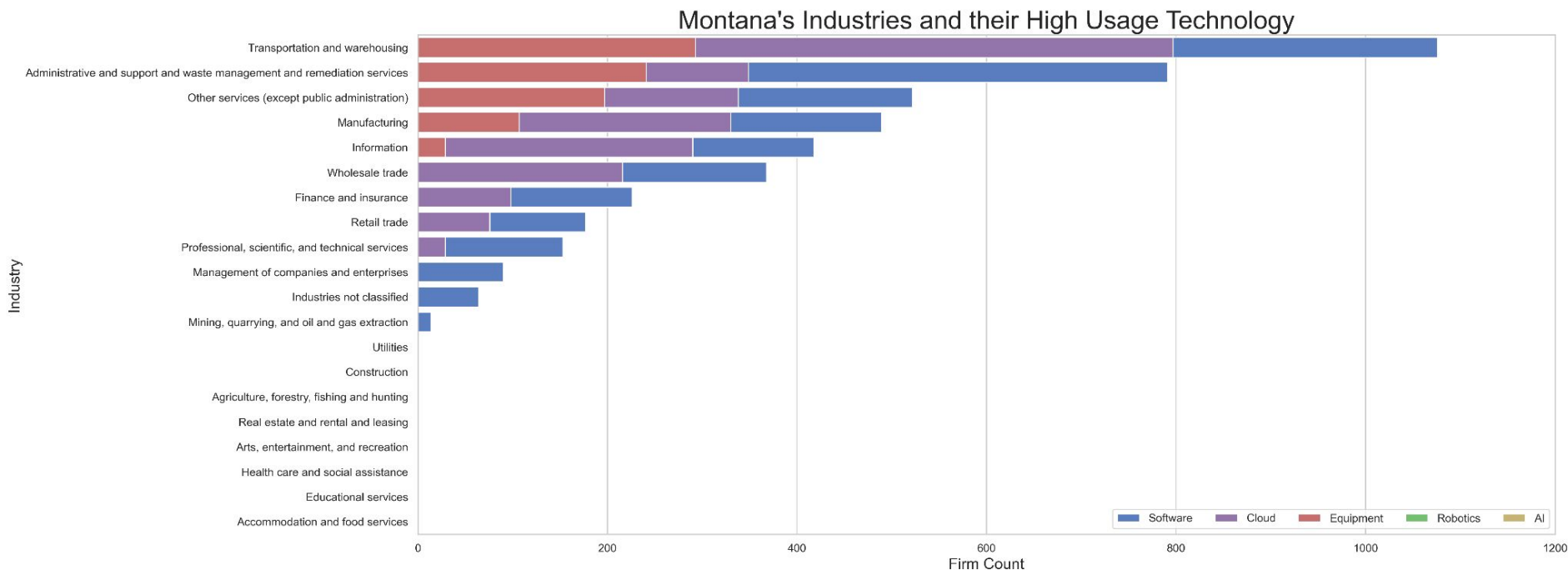States with Highest Firm Count-to-Population Ratio

In that top state, which technology was in high use?

Montana's Highest Used Technology

- "During the three years 2016 to 2018, to what extent did this business use the following technologies in production processes for goods or services?"

- Note: Columns are LAYERED, not stacked.

In the top technology in that top state, which industry used it the most?

Montana's Industries and their High Usage Technology

Citation

- https://www.census.gov/data/developers/data-sets/abs.2019.html
- https://www.census.gov/newsroom/press-kits/2019/national-state-estimates.html
- https://worldpopulationreview.com/states/state-abbreviations