

INDUSTRY GROWTH IN U.S.

HACKATHON
2022-04



Meet the Data Ants



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Problem Statement

- What are the Top 5 fastest Growing Industries?
- Where are they expanding in United States?

Path to Data and Insights

- Obtained data from US census website from 1978-2019
- Used two digit NAIC 2017 code to define industry
- Cleaned the data using python
- Data Transformation & Feature selection.
- Loaded new csv in Tableau and R for further insight.

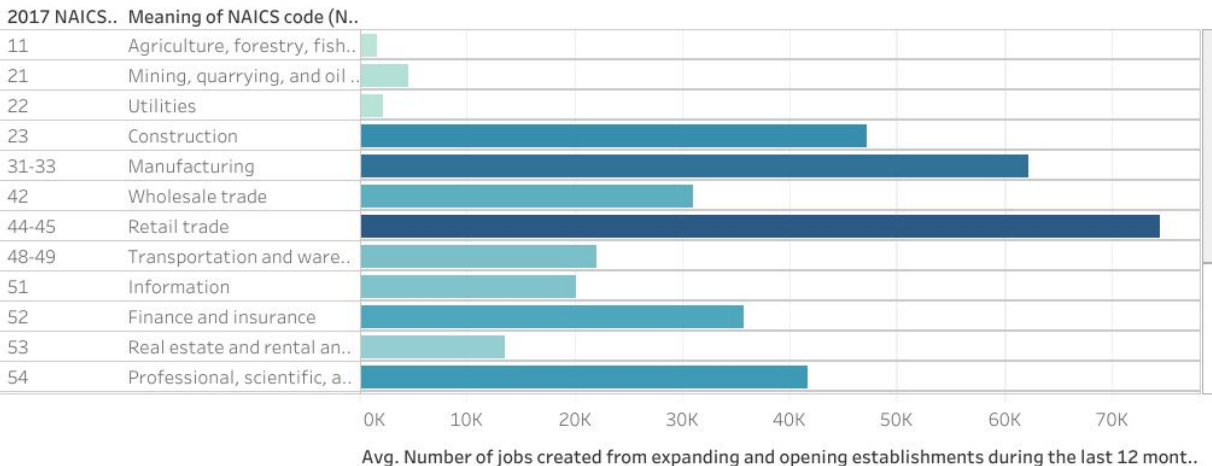
Insights Using R and Tableau

- Job Created vs Job Lost from 1978-2019:
<https://tabsoft.co/3rm3e4D> (Bar Plot)
<https://tabsoft.co/3DJ8WCw> (Scatter Plot)
- Transition over years in states and industry:
<https://tabsoft.co/3KICFUF>
- Industries and their hubs: <https://tabsoft.co/3uTi57u>

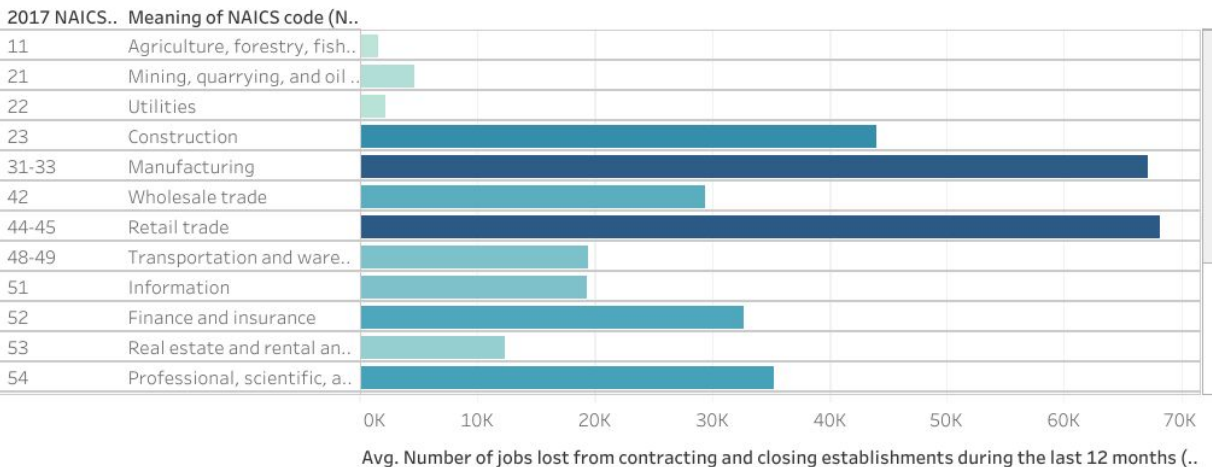
Job Creation and Destruction Over Time

Jobs Created and Lost in each industry

Number of Jobs Created



Number of Jobs Lost



Number of jobs lost from ..

3,200,952 149M

2020

2015

2010

2005

2000

Year (YEAR)1

1995

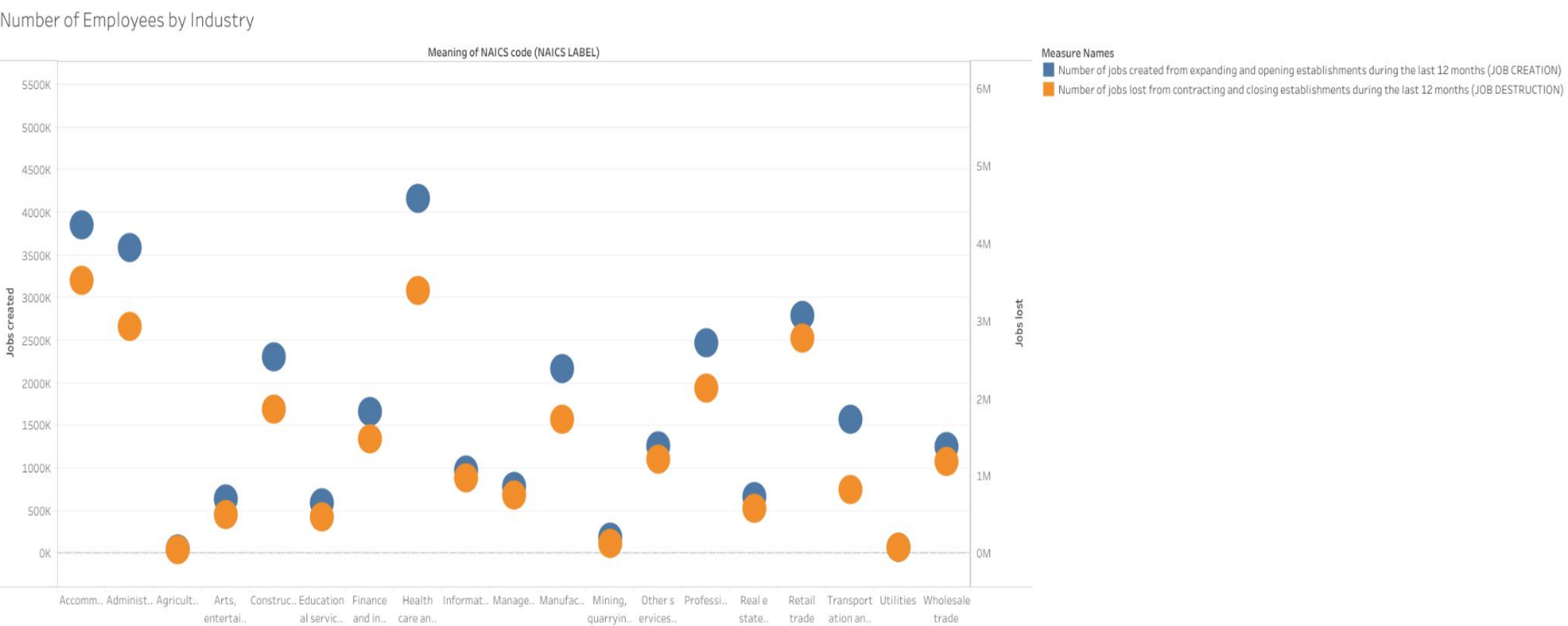
1990

1985

1980

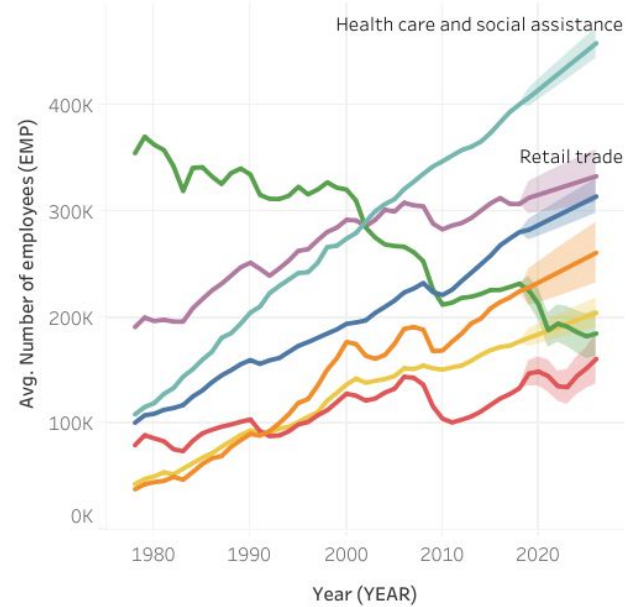
1975

Jobs Created and Destroyed

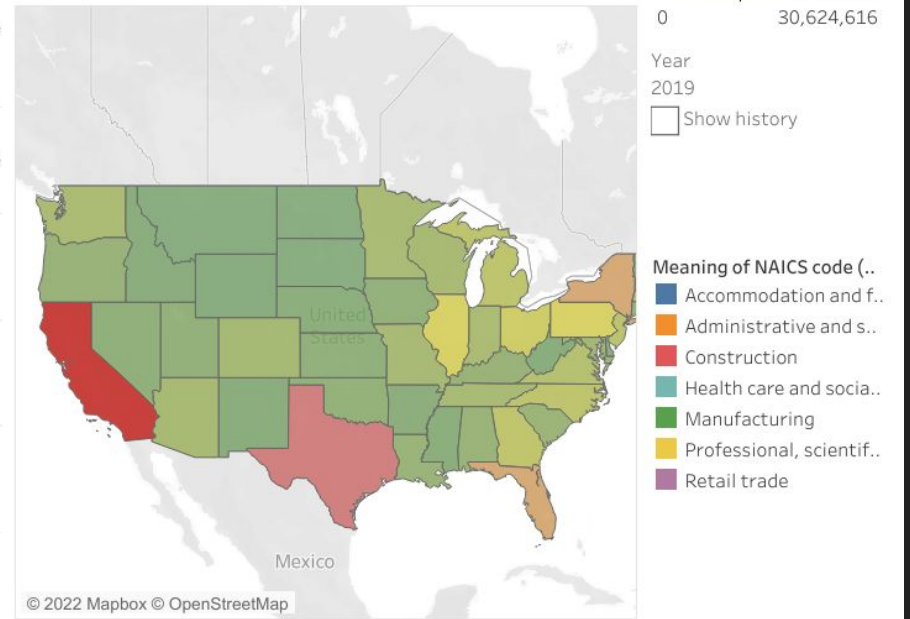


Employment by Industry Over Time

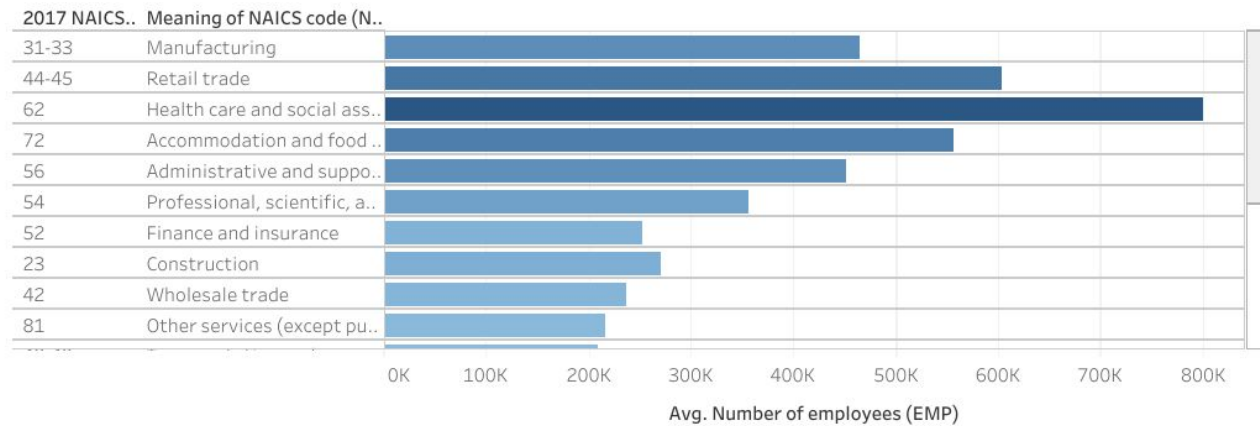
Time Series Analysis Industry



Employee Mapping

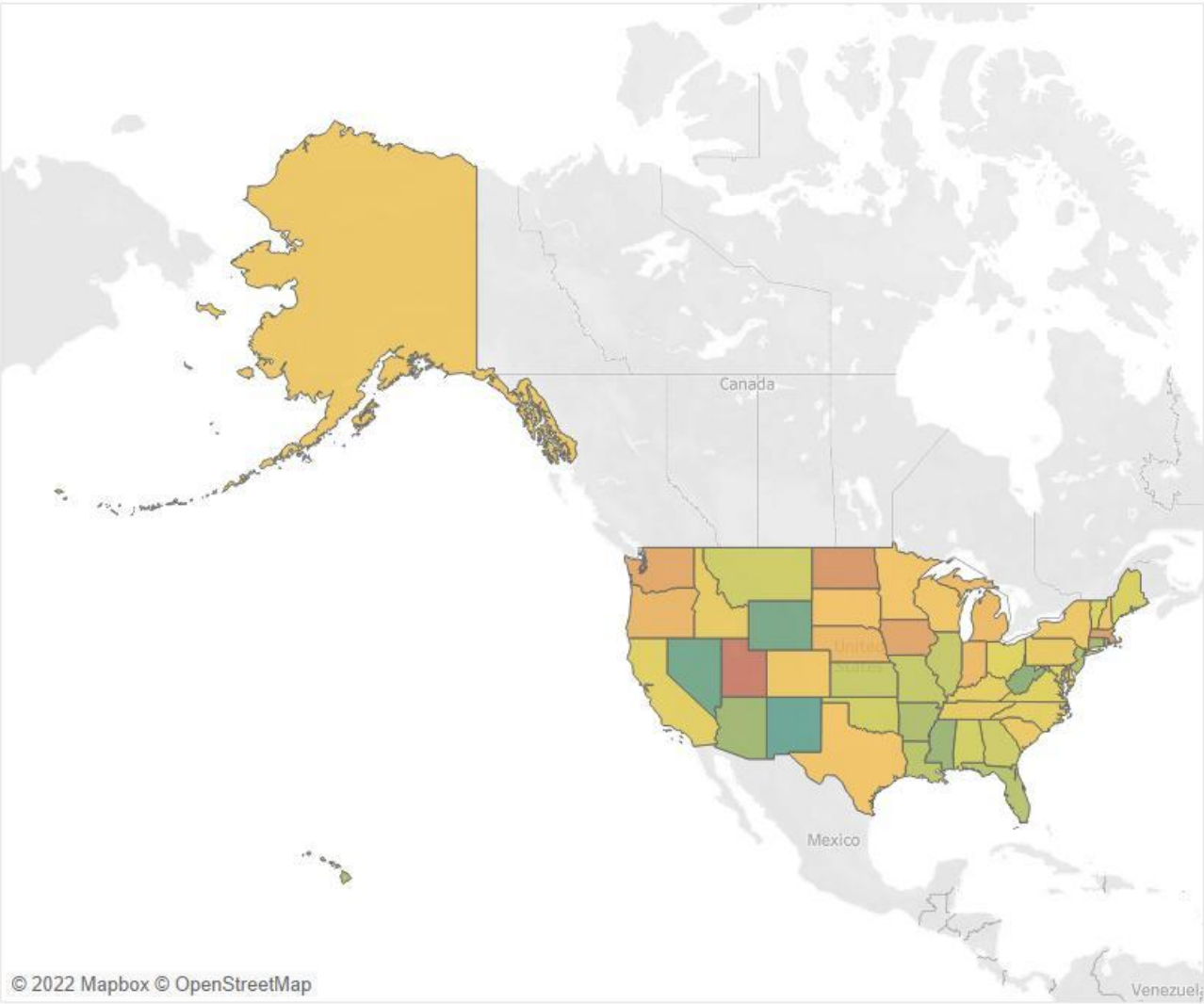
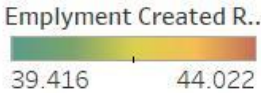


Number of Employees by Industry



Employment Growth Rate by State in Industry

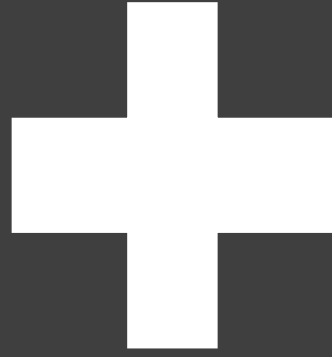
Employment Created Rate by State and Industry - From '08 - '19



Meaning of NAICS code

Administrative and support and waste remediation services
Health care and social assistance
Accommodation and food services
Manufacturing
Retail trade

Top 5 fast growth industries in U.S (1978-2018)



1. Manufacturing (31-33)
2. Retail Trade (44-45)
3. Healthcare and social assistance (62)
4. Accommodation and food services (72)
5. Administrative and support and waste management (56)



THANKS