What, Where, and When: An Examination of Opportunities Posted on
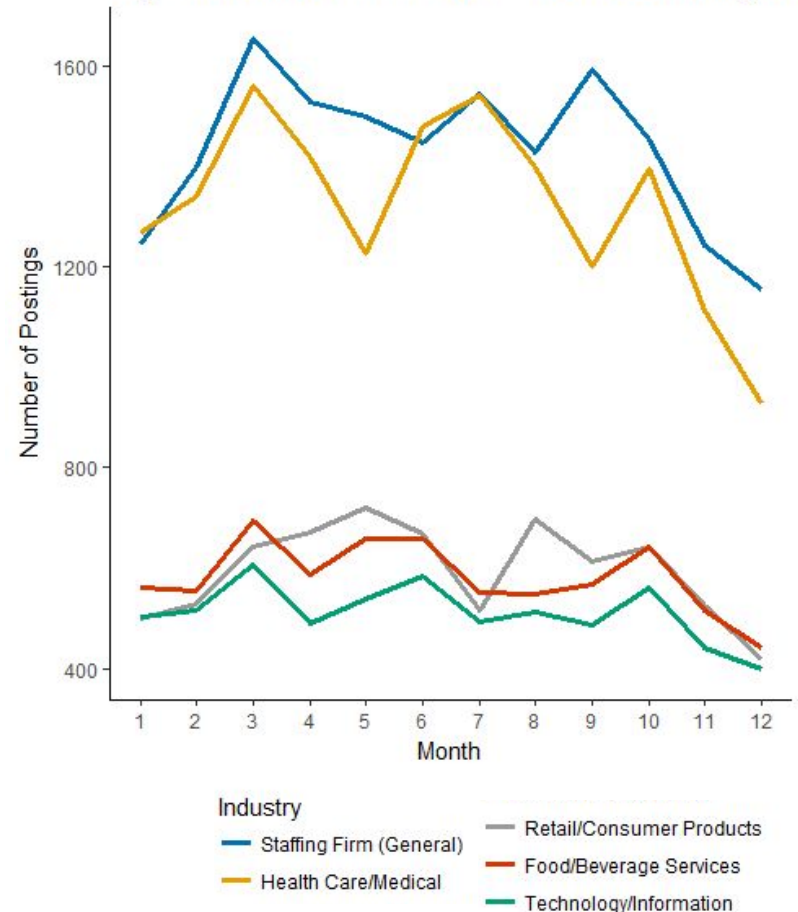

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Modeling

- Number of jobs posted per month, per industry, and per state
- Created a linear model[1]:
  - ln(#jobs) ~ ln(pop) + quarter + industry + region
  - Adjusted r-squared: 0.955
- Test for homoscedasticity: reject -> correct standard errors
- F-test for each categorical variable - statistically significant
- 1% increase in pop -> 0.87% increase in postings
  - Holding quarter, industry, and region constant
- Highest industries: staffing and health care / medical
- Highest regions: New England and Mid Atlantic
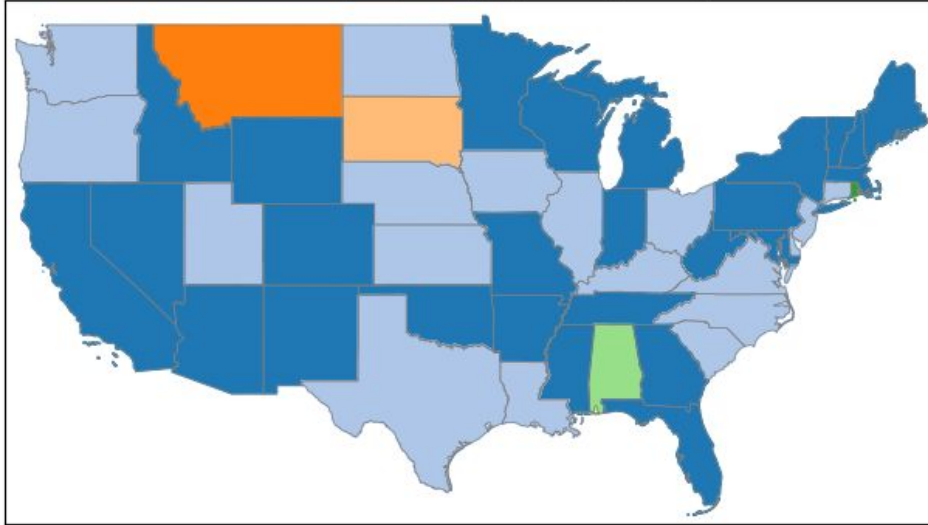
[1]Region and Population data from U.S. Census Bureau

Top 5 Industries with the Most Indeed Job Posting 2017

Industry
- Staffing Firm (General)
- Health Care/Medical
- Retail/Consumer Products
- Food/Beverage Services
- Technology/Information

US States by Most Job Postings Industry

Most common job posting by state, January 2017

Link to gif:
https://imgur.com/a/hKVfS

Industry

- Health Care/Medical
- Staffing Firm (General)
- Automotive
- Transportation/Logistics
- Construction/Engineering
- Technology/Information
- Retail/Consumer Products
- Telecom
- Education
- Manufacturing
- Food/Beverage Services
- Accounting/Consulting
- Defense/Security
- Real Estate
- Agriculture
- Legal
- Hospitality/Travel
- Non-Profit/Association
- Other

Conclusions:

Tips for Prospective Job Seekers:

- Most jobs are in or near cities
- States with the most opportunities are in the New England and Mid-Atlantic regions
- Most openings are in Healthcare/Medicine and Staffing Industries
- Fewest openings occur around the end of the year

Thank you! ☺