


Annual Business Survey API



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Topics of Focus:

Datasets:

- Characteristics of Businesses
- Characteristics of Owners
- Company Summary

Topics:

- Veterans
- Home Ownership
- Education
- Annual Payroll

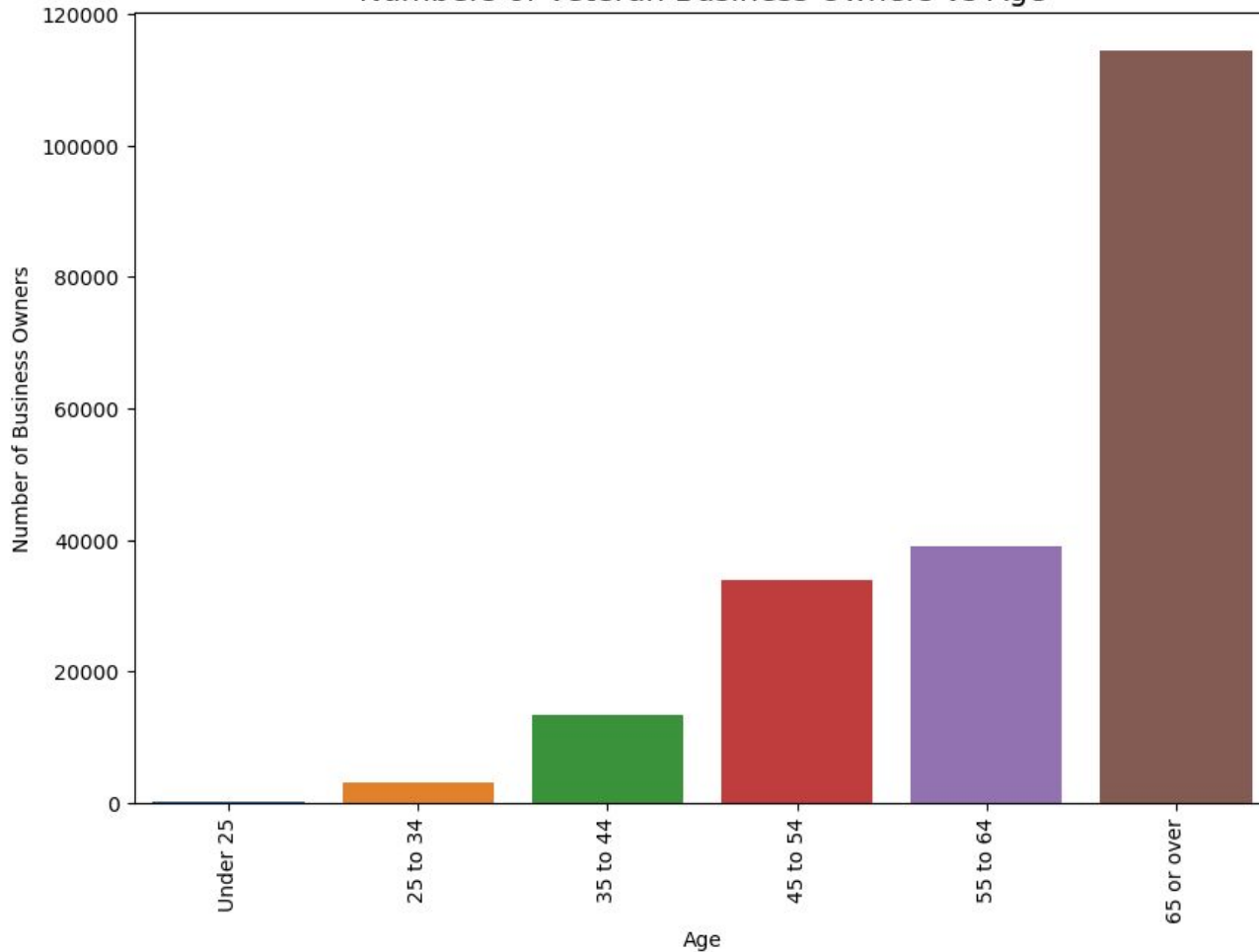
Focus On Veteran Data

Question:

- Can anything interesting be gleaned from the veteran data with respect to the level of education, sex, or age of the veteran business owner respondents?

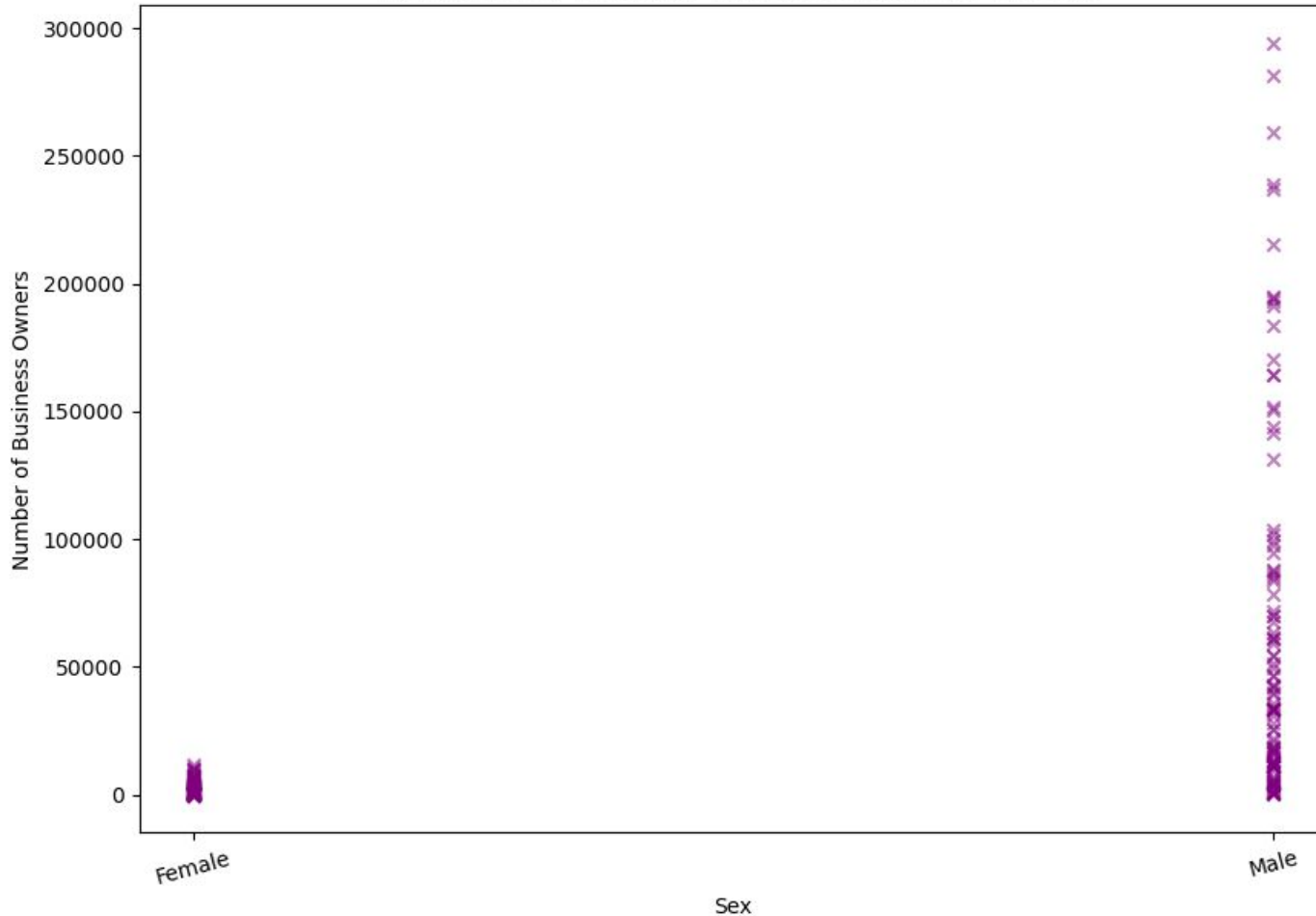


Numbers of Veteran Business Owners vs Age



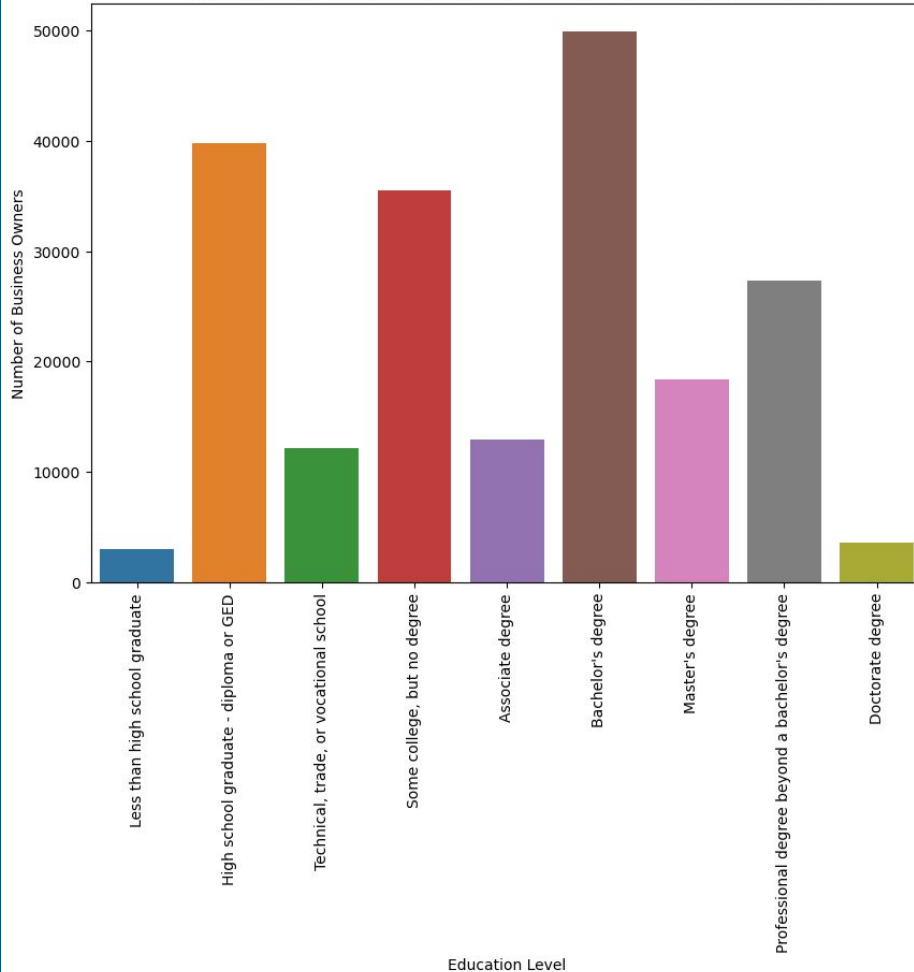
- The majority of veteran business owners seem to fall within post-retirement ages.
- Bin size is a bit misleading as age ranges 65 to 74, 75 to 84, 85+ could potentially resemble the ranges of 45 to 54 and 55 to 64.

Numbers of Veteran Business Owners vs Sex



- Only a barely noticeable disparity here.
- Data could be skewed by the options available on the survey.

Numbers of Veteran Business Owners vs Education Level



- The relation between high school graduate and technical/trade/voc school is curious.
- Remaining data seems to be reasonable based on anecdotal experience.

Focus on Veteran Data

Conclusions:

- Nothing too unexpected was found within the explored veteran data, however subsequent data validation regarding the ratio of veteran business owners by respondent sex could potentially be beneficial.
- Refactoring survey categories (specifically age ranges) could provide additional insights.

Family Ownership

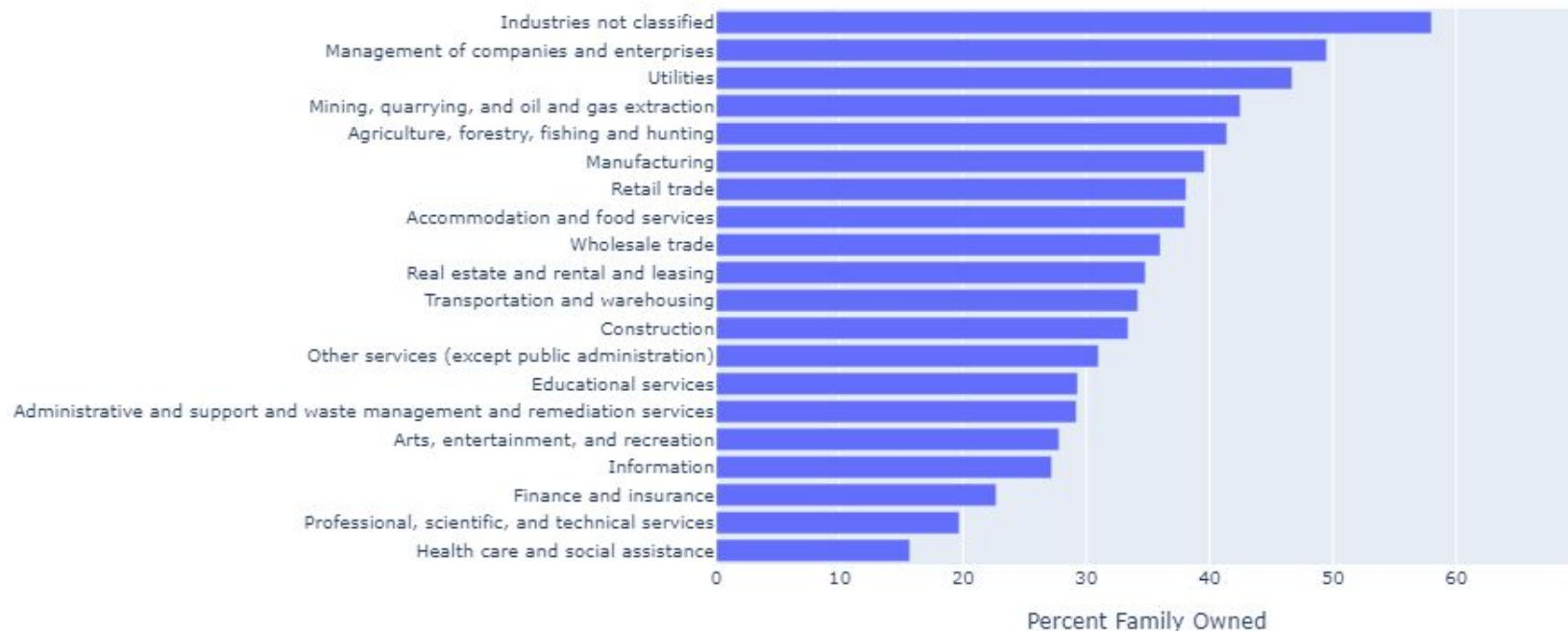
Questions:

- What factors impact how likely a business is family owned?
- Are there certain characteristics family owned businesses share?

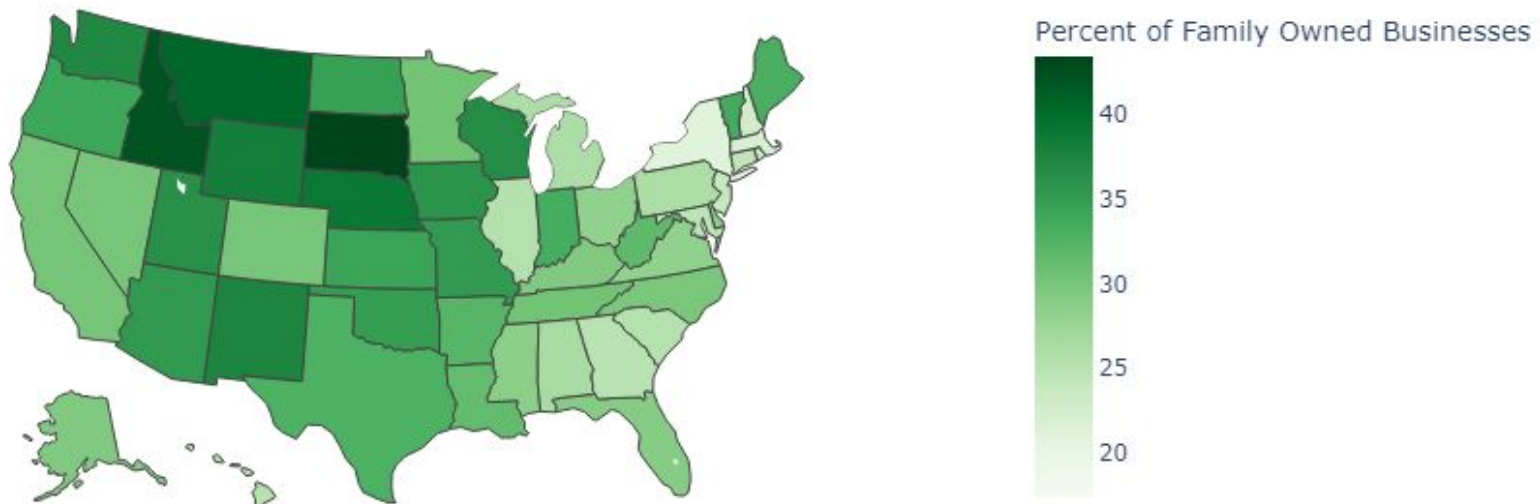


Percentage of Family Owned Businesses by Industry

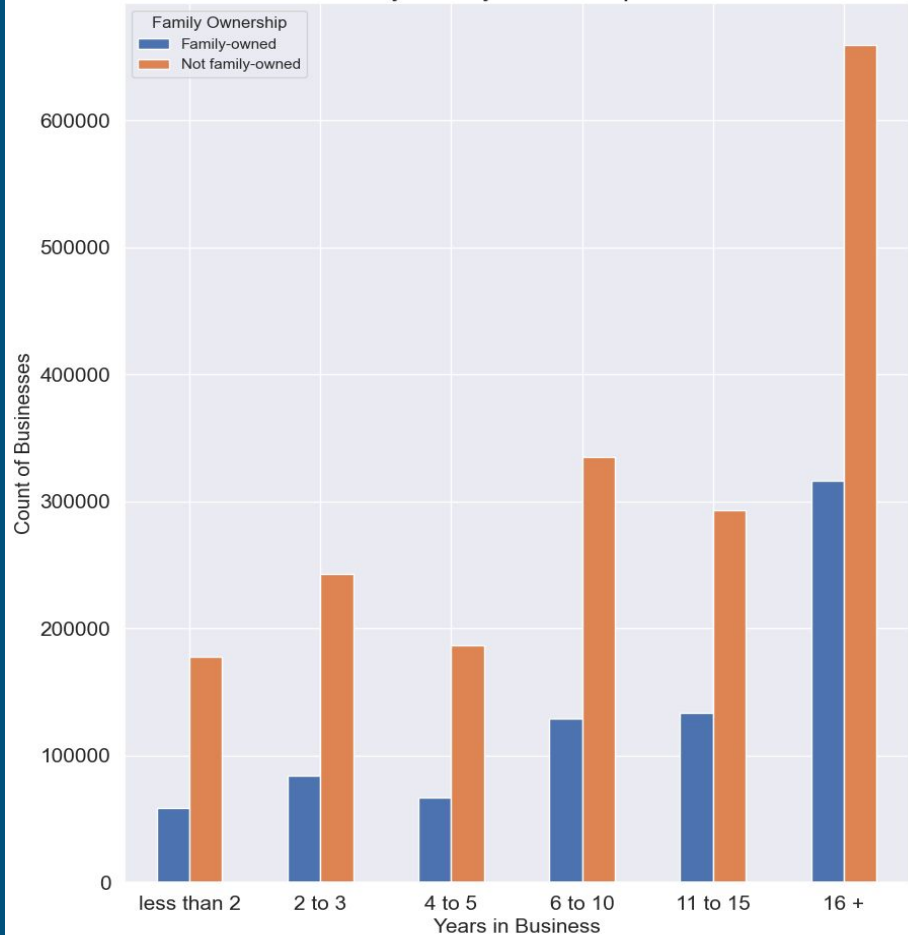
Industry



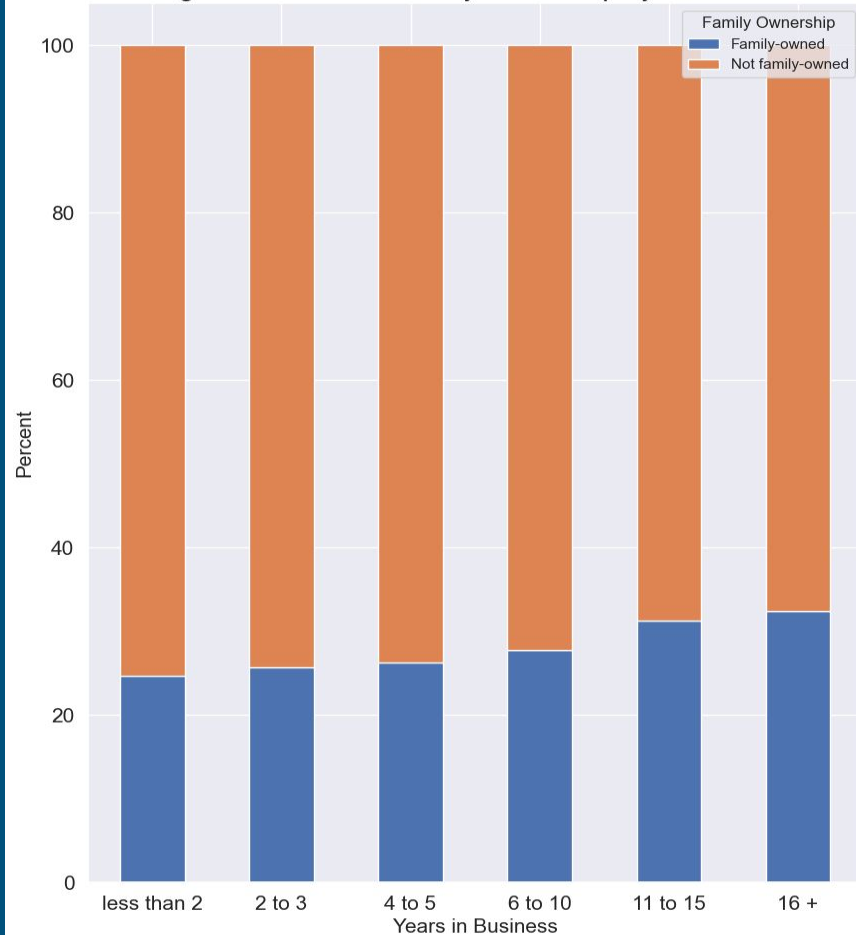
Proportion of Family Owned Businesses by State



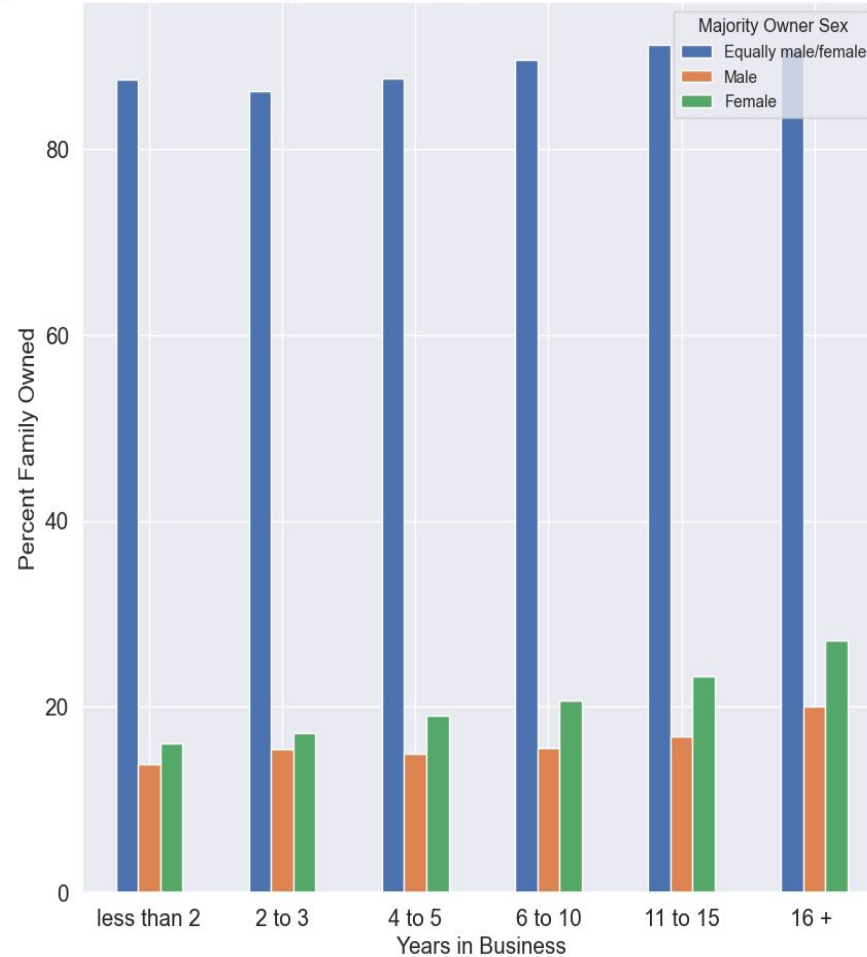
Count of Businesses by Family Ownership and Years in Business



Percentage Breakdown of Family Ownership by Years in Business



Percentage Breakdown of Family Ownership by Years in Business and Majority Ownership Sex



Education

Question:

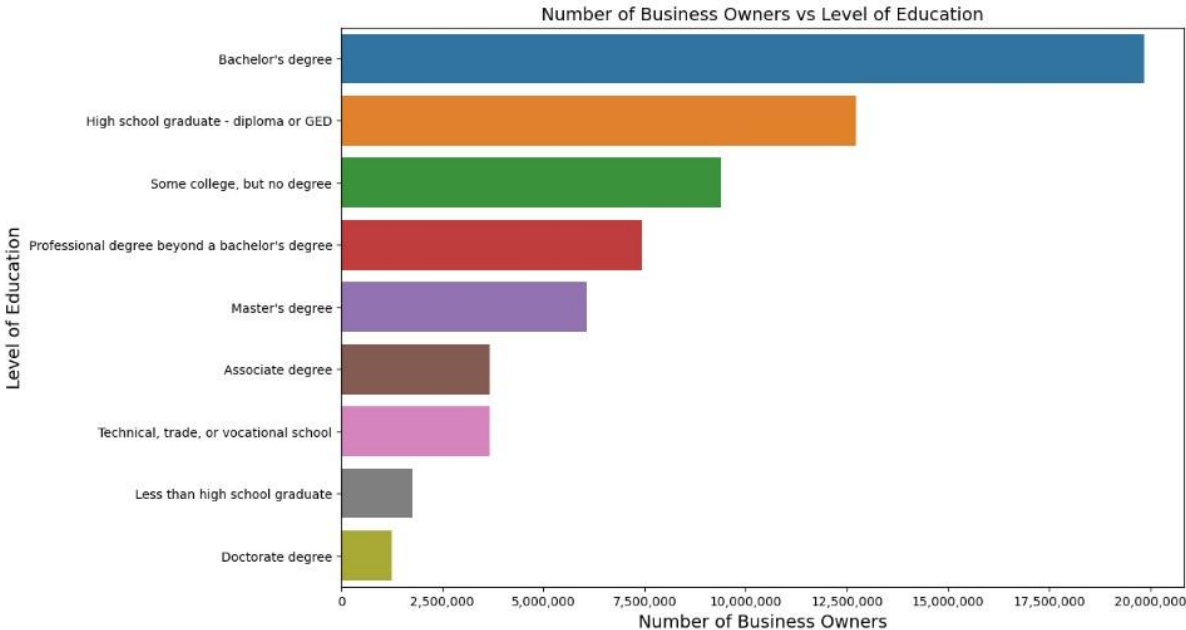
- What is the distribution of education level and fields of study among business owners? How does this distribution change when veteran status is considered?

Dataset:

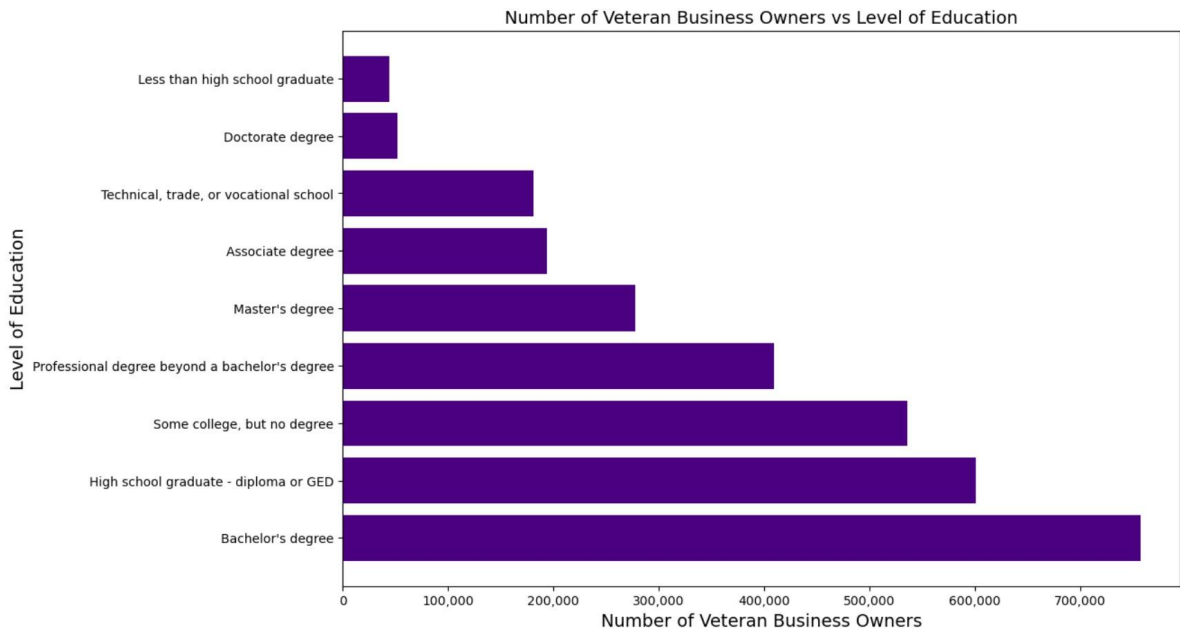
- 2019 Census API Characteristics of Business Owners



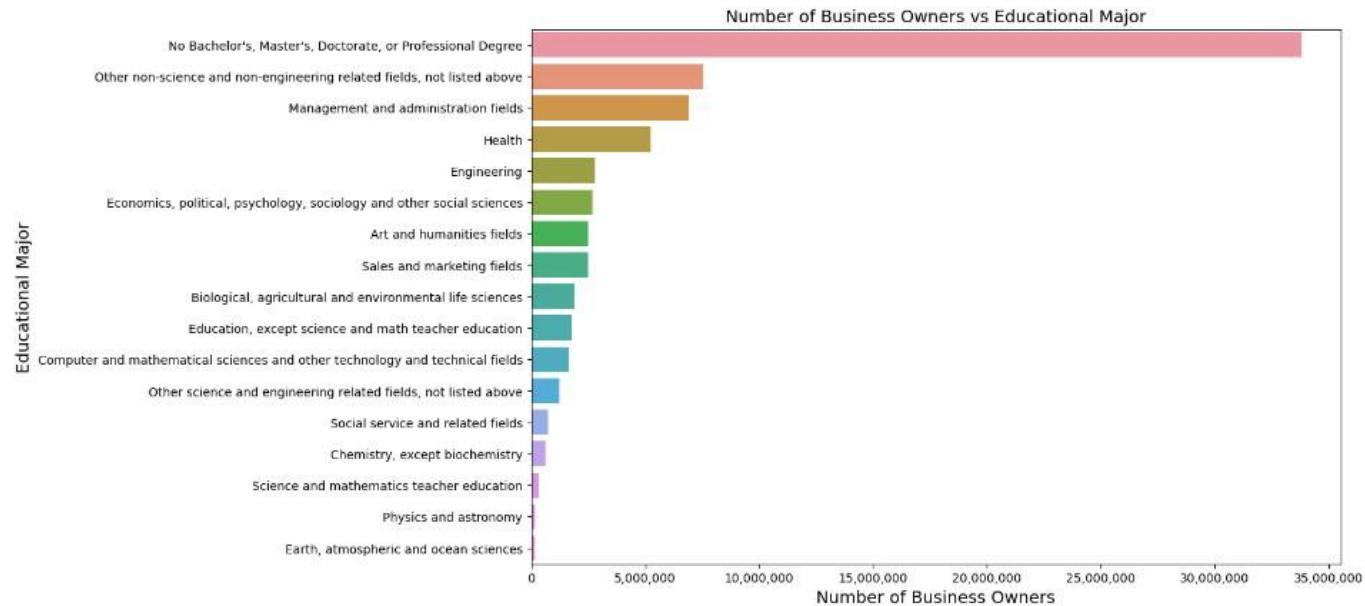
	highest_degree	OWNPDEMP
0	Bachelor's degree	19848162
1	High school graduate - diploma or GED	12719226
2	Some college, but no degree	9390074
3	Professional degree beyond a bachelor's degree	7440083
4	Master's degree	6059292
5	Associate degree	3678948
6	Technical, trade, or vocational school	3677230
7	Less than high school graduate	1773662
8	Doctorate degree	1245550



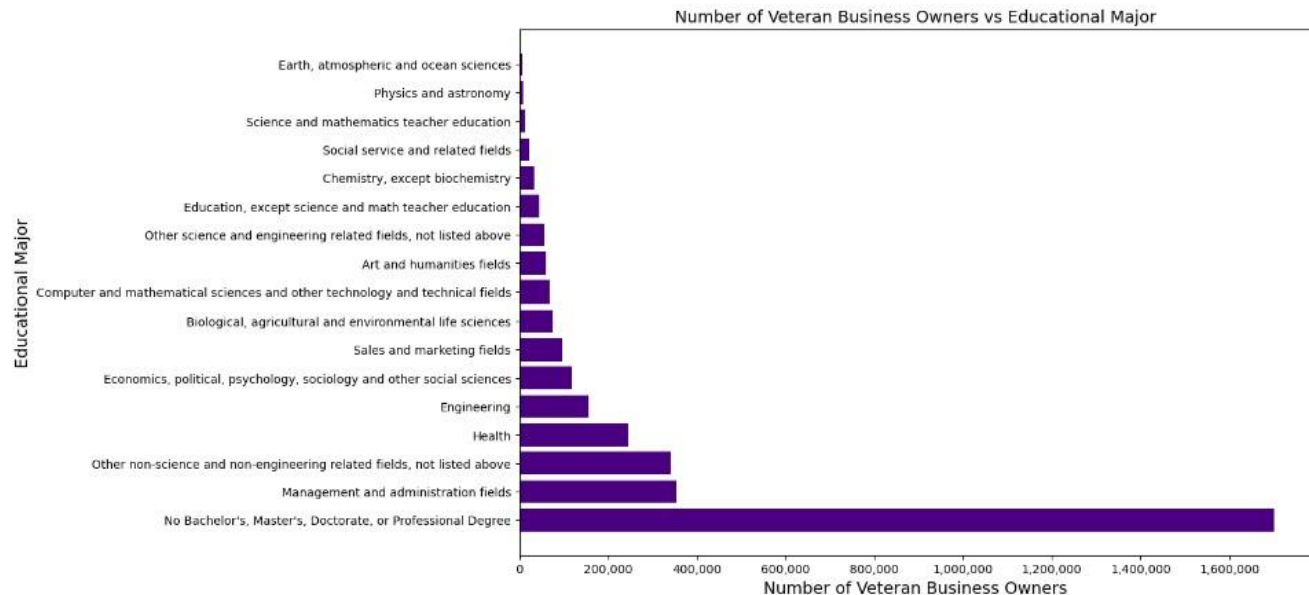
	highest_degree	OWNPDEMP
0	Bachelor's degree	757114
1	High school graduate - diploma or GED	600445
2	Some college, but no degree	535917
3	Professional degree beyond a bachelor's degree	409428
4	Master's degree	277662
5	Associate degree	193560
6	Technical, trade, or vocational school	181158
7	Doctorate degree	52044
8	Less than high school graduate	44545



	educational_major	OWNPDEMP
0	No Bachelor's, Master's, Doctorate, or Profess...	33830281
1	Other non-science and non-engineering related ...	7554479
2	Management and administration fields	6908616
3	Health	5245945
4	Engineering	2790703
5	Economics, political, psychology, sociology an...	2672447
6	Art and humanities fields	2496447
7	Sales and marketing fields	2487284
8	Biological, agricultural and environmental lif...	1871814
9	Education, except science and math teacher edu...	1765085
10	Computer and mathematical sciences and other t...	1673573
11	Other science and engineering related fields, ...	1221703
12	Social service and related fields	743166
13	Chemistry, except biochemistry	630843
14	Science and mathematics teacher education	327643
15	Physics and astronomy	161132
16	Earth, atmospheric and ocean sciences	157427



	educational_major	OWNPDEMP
0	No Bachelor's, Master's, Doctorate, or Profess...	1701460
1	Management and administration fields	353805
2	Other non-science and non-engineering related ...	341226
3	Health	244103
4	Engineering	155903
5	Economics, political, psychology, sociology an...	117759
6	Sales and marketing fields	97668
7	Biological, agricultural and environmental lif...	74731
8	Computer and mathematical sciences and other t...	67580
9	Art and humanities fields	59407
10	Other science and engineering related fields, ...	56331
11	Education, except science and math teacher edu...	45800
12	Chemistry, except biochemistry	34075
13	Social service and related fields	21683
14	Science and mathematics teacher education	11698
15	Physics and astronomy	8559
16	Earth, atmospheric and ocean sciences	7037



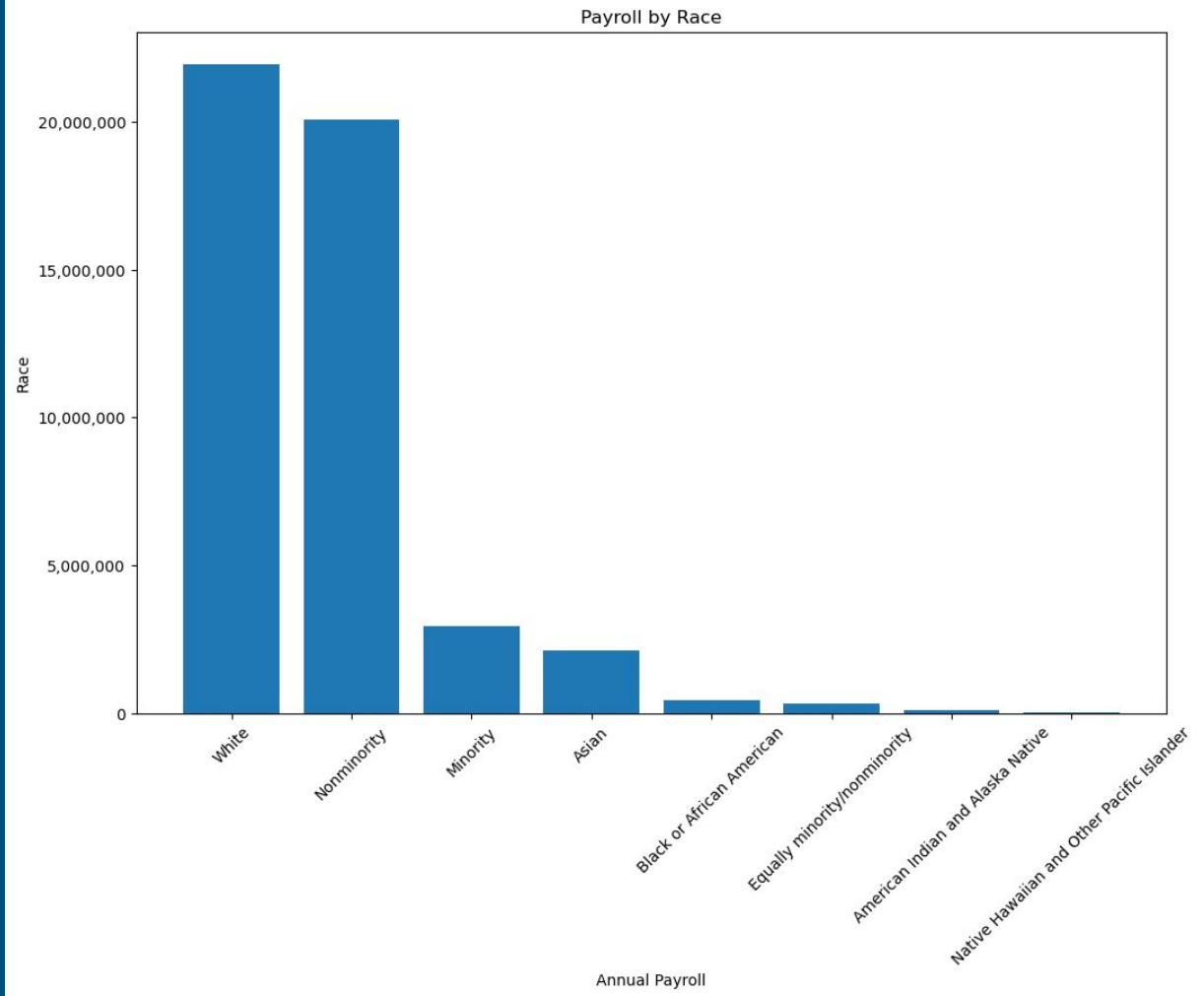
Annual Payroll

Question:

- How does industry, location, and race affect a company's annual payroll?

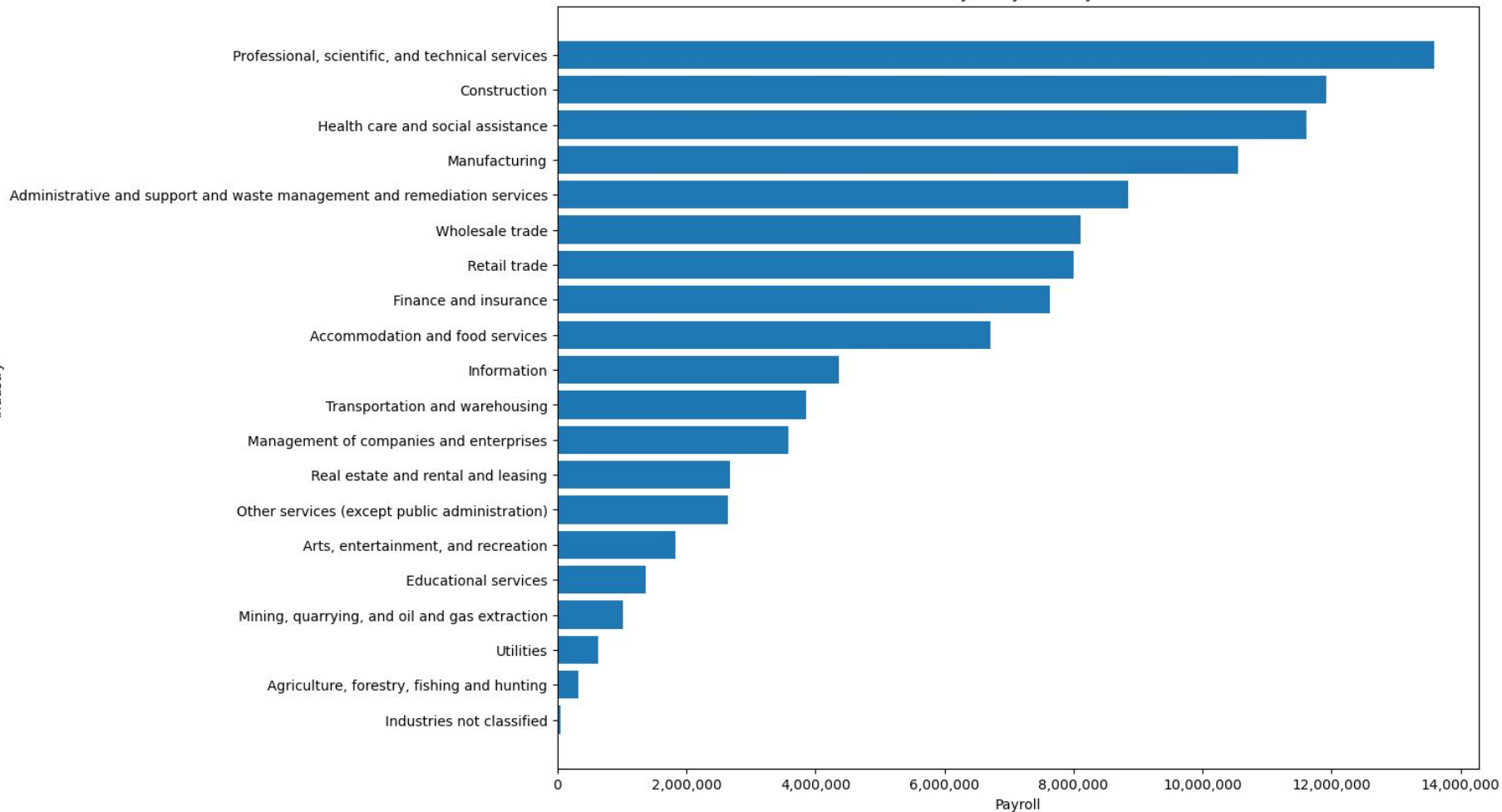


- Company Summary by owner race follows the hypothesis that white, non-minority owners will control a large share of payrolls.



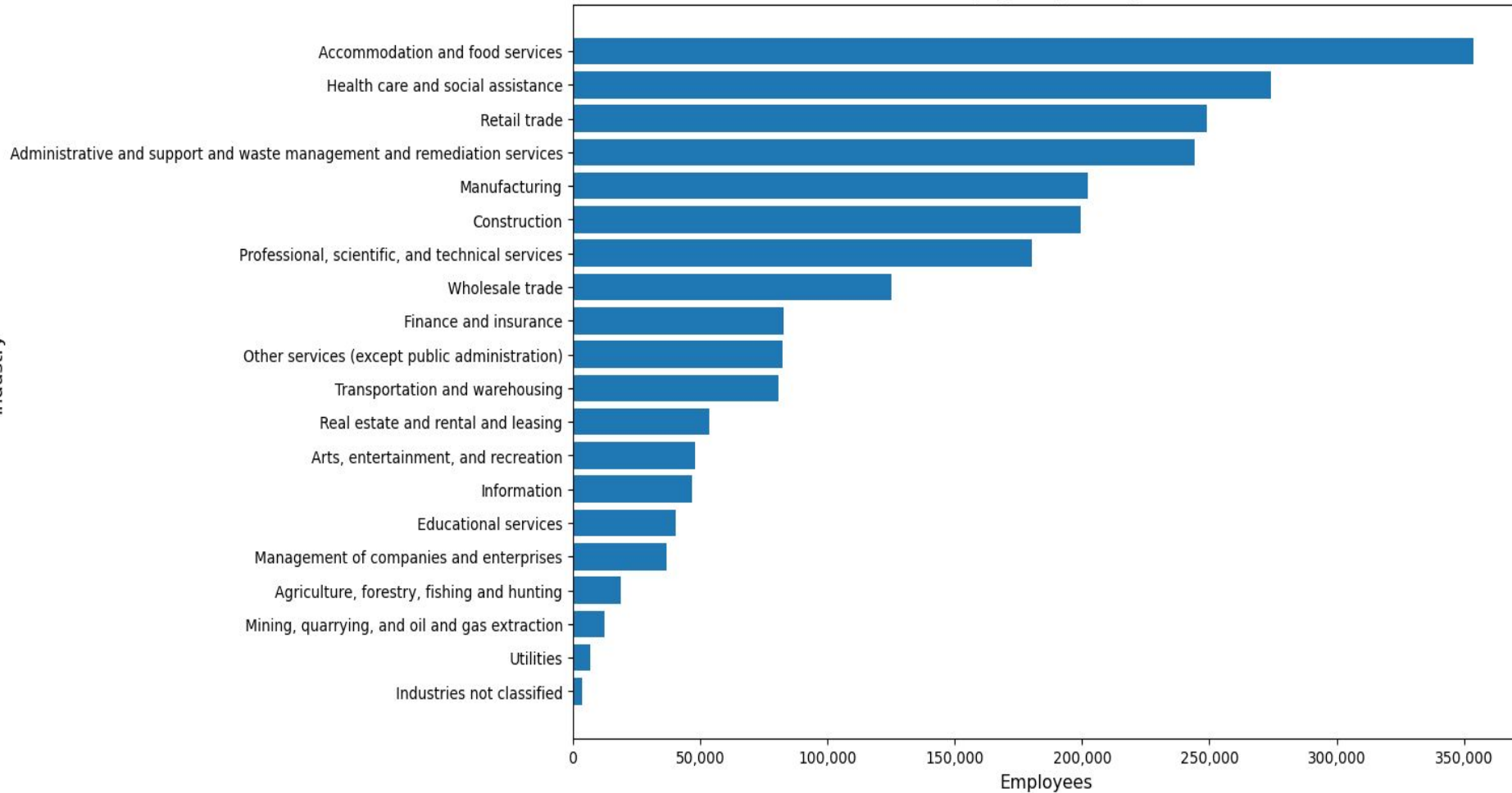
Payroll by Industry

Industry

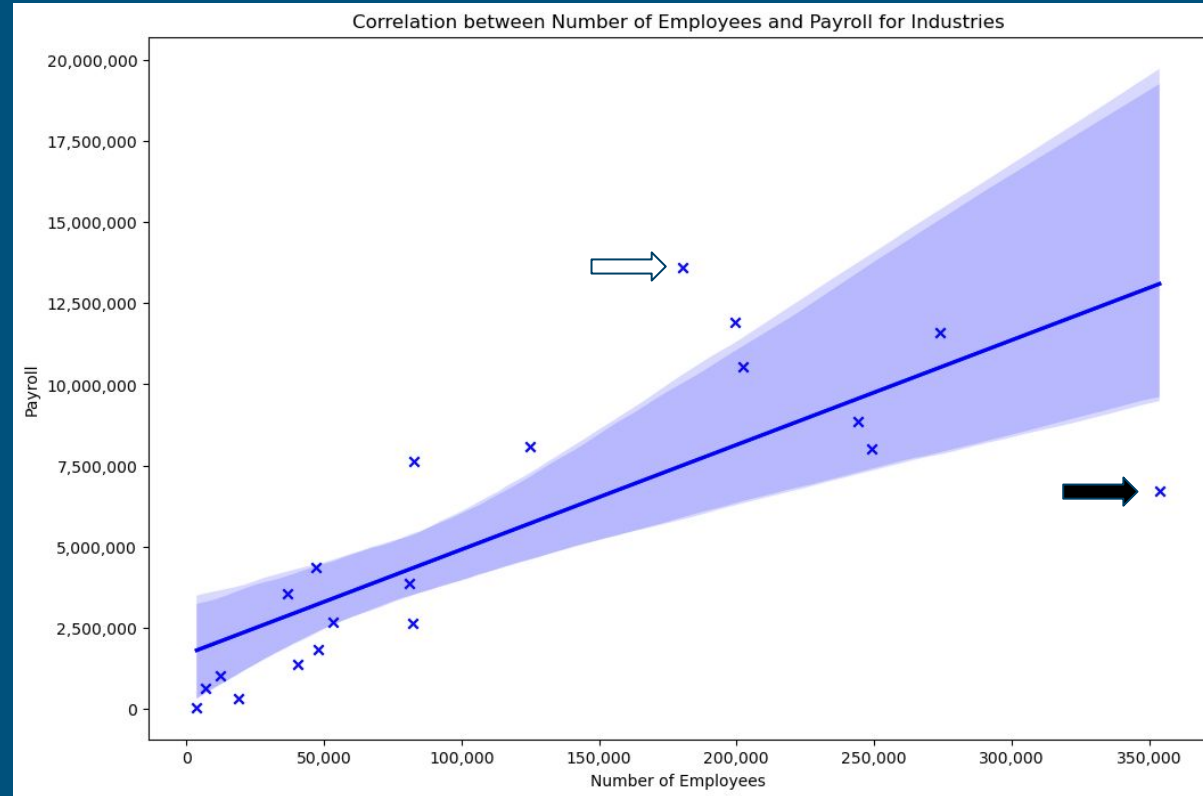


Employees by Industry

Industry



- There are factors that affect payroll other than the size of firms.
- The white arrow represents professional, scientific, and technical services.
- The black arrow represents accomodation and food services.



- Simply, location does affect annual payroll.

