



Annual Business Survey 2019 Analysis

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Overview

Data from the [Annual Business Survey 2019](#) from the U.S. Census Bureau using the Company Summary dataset and the Technology Characteristics of Businesses dataset

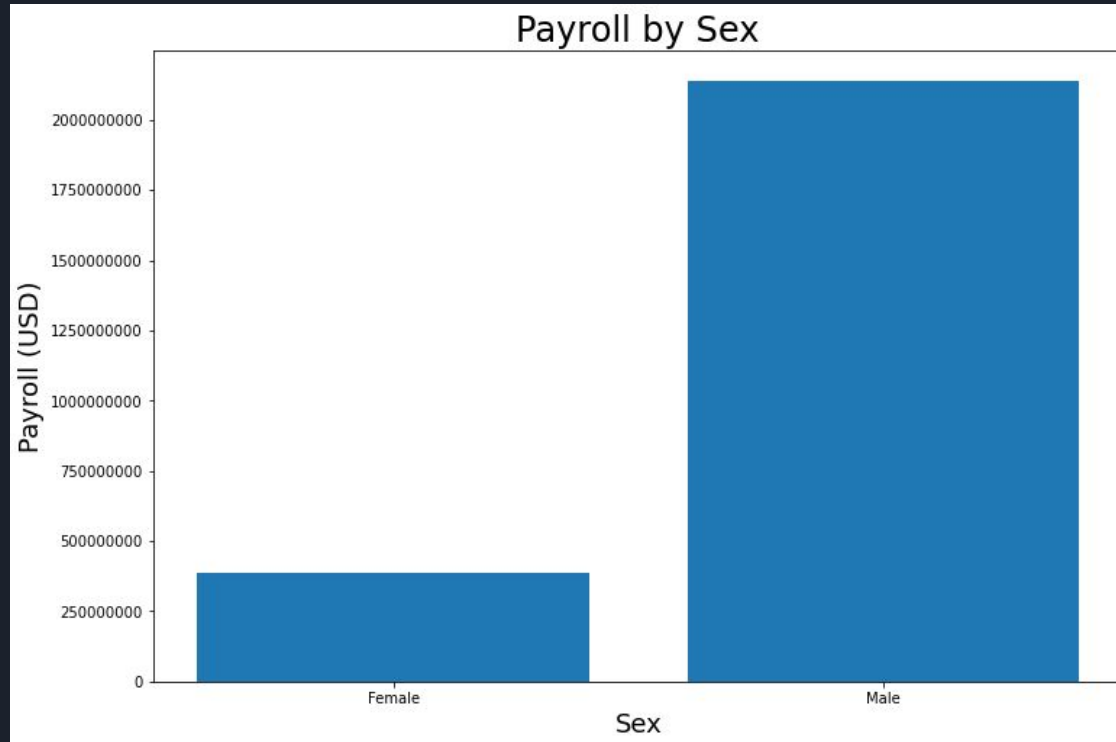
- Slide 3: Questions asked
- Slides 4-6: Payroll vs Demographics
- Slides 7-8: Firm size comparisons
- Slides 9-10: Payroll and revenue by male vs female of different races
- Slides 11-13: Payroll and revenue vs number of firms correlations
- Slide 14: Number of employees vs annual payroll correlation
- Slides 15-16: Number of firms, payroll, and revenue per veteran status
- Slide 17: Conclusion
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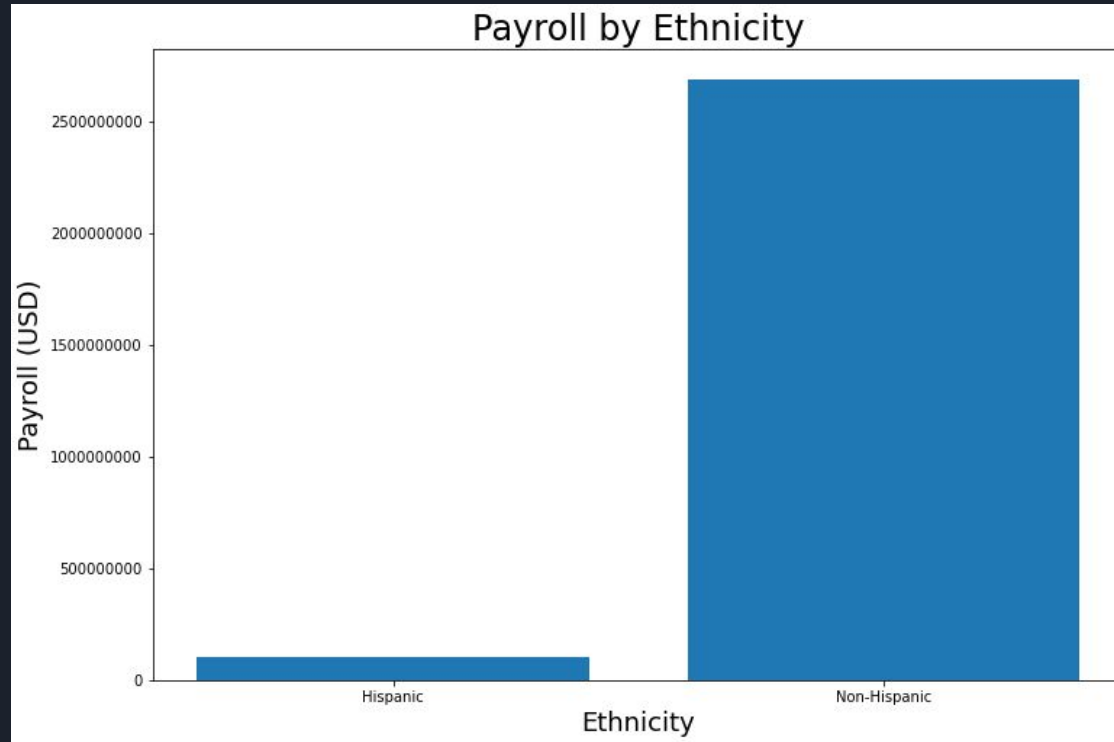
Questions

1. How do the payrolls of males and females of all demographics differ?
2. How do the payrolls of different ethnicity group differ?
3. How do the payrolls of each race differ?
4. Does payroll and revenue consistently increase with firm size?
5. How many firms are there of each firm size?
6. How does payroll and revenue differ between black male and black female firm owners?
7. How does payroll and revenue differ between asian male and asian female firm owners?
8. What relationship does payroll have with the number of firms?
9. What relationship does revenue have with the number of firms?
10. What is the relationship between payroll and number of employees?
11. How do the number of firms of different veteran statuses of all other demographics differ?
12. How do payrolls and revenues vary with each veteran status?

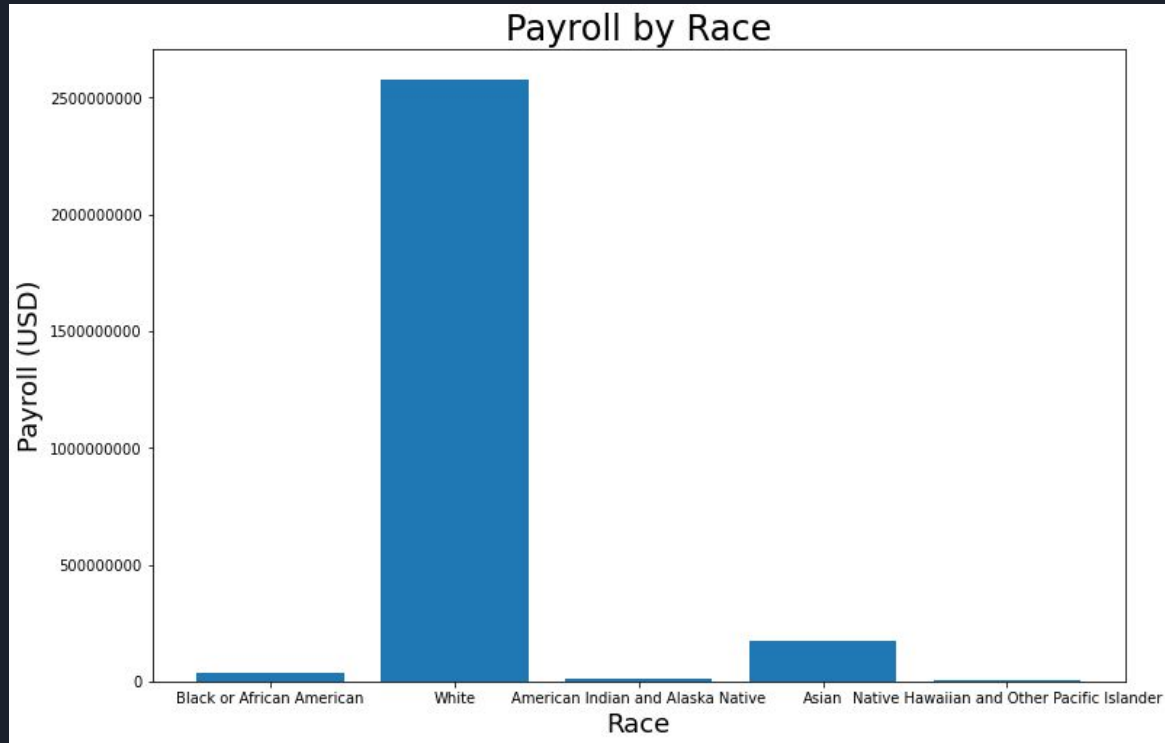
Payroll by Sex



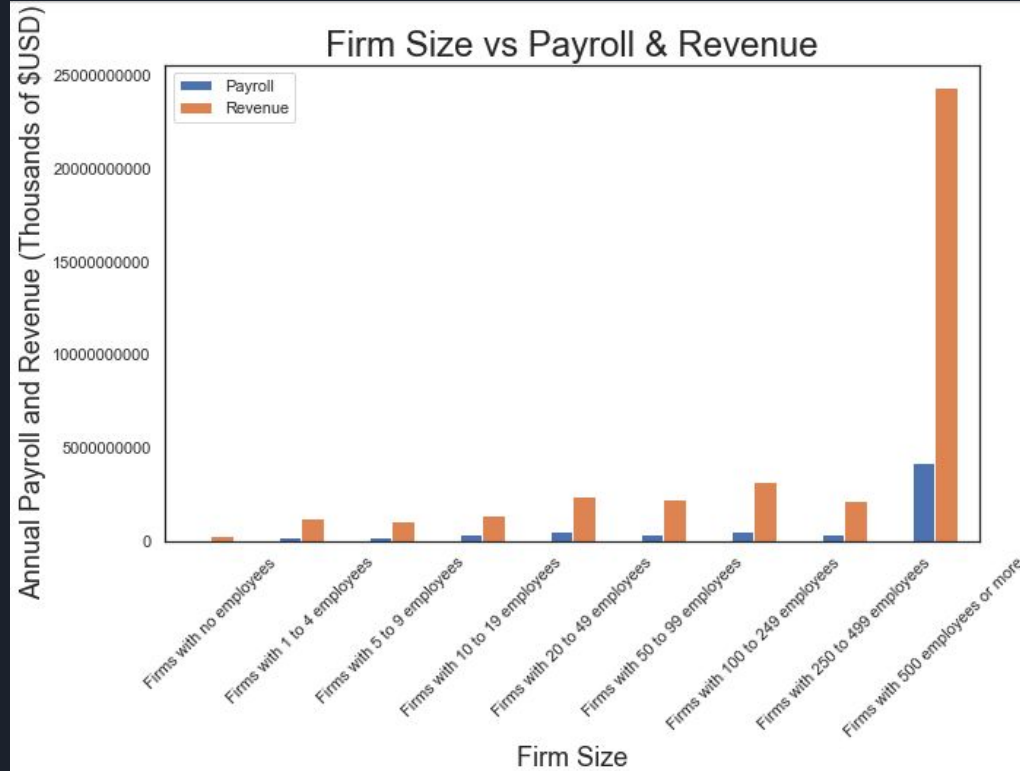
Payroll by Ethnicity



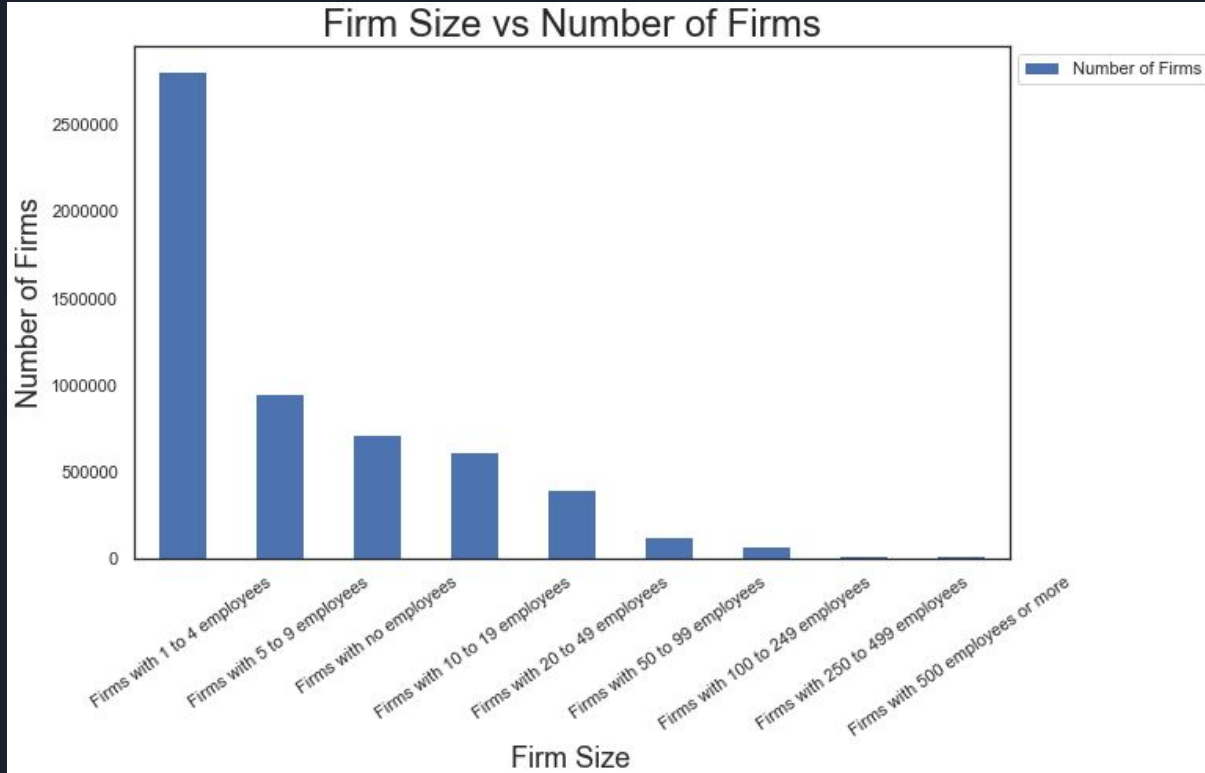
Payroll by Race



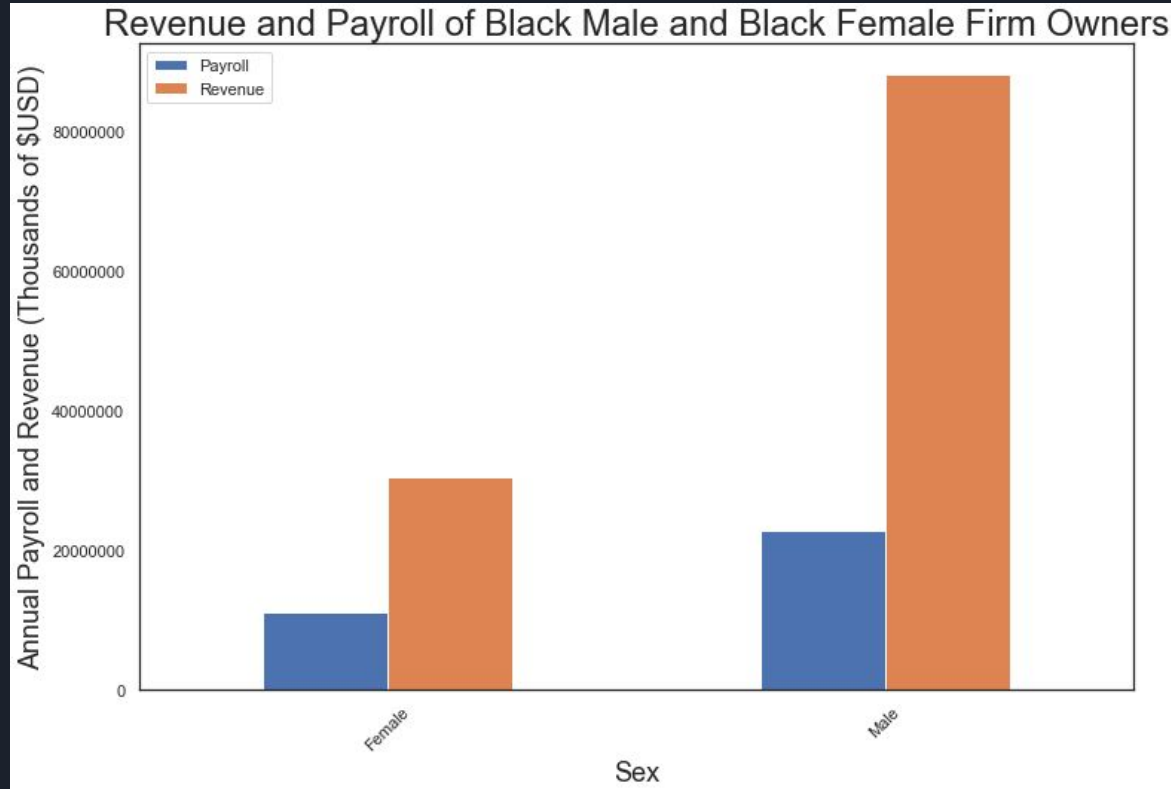
Firm Size vs Payroll and Revenue



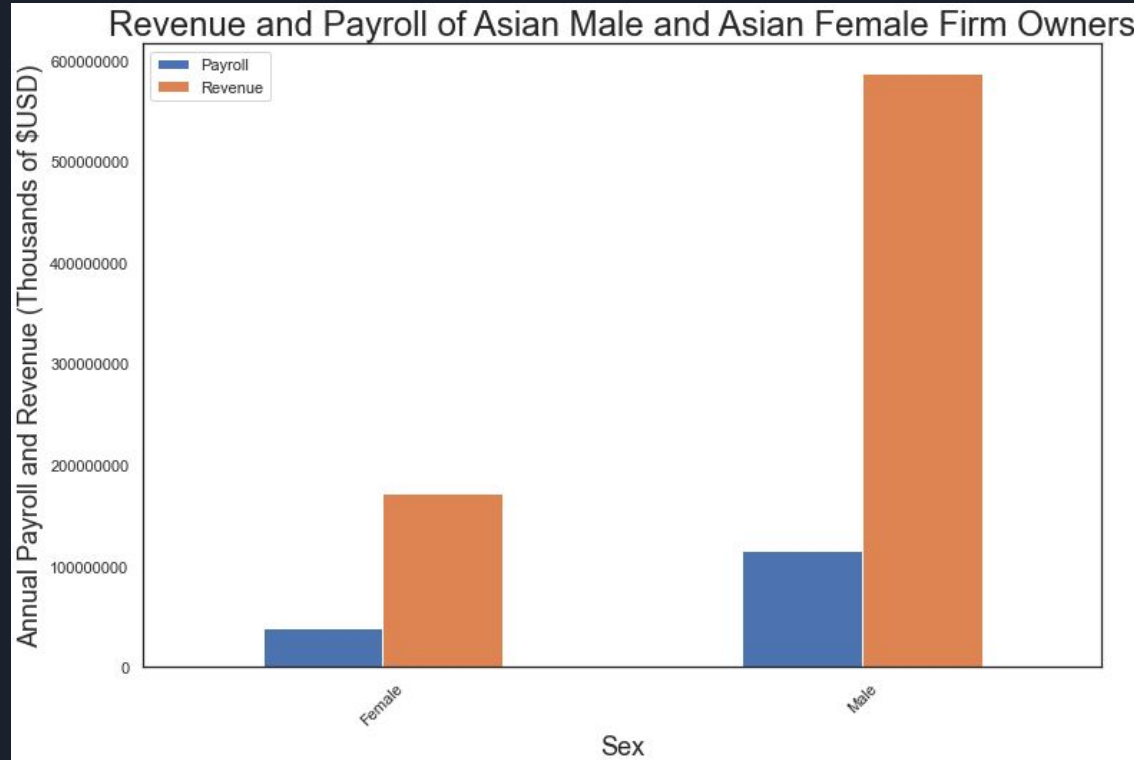
Firm Size vs Number of Firms



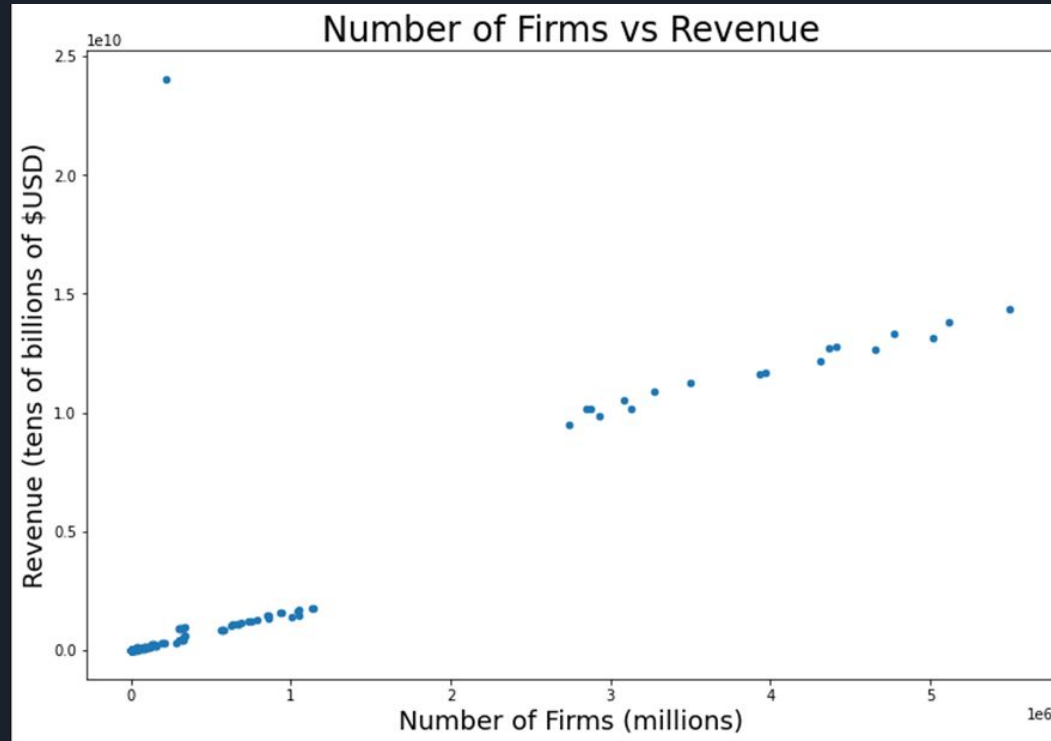
Revenue and Payroll of Black Male & Female Firm Owners



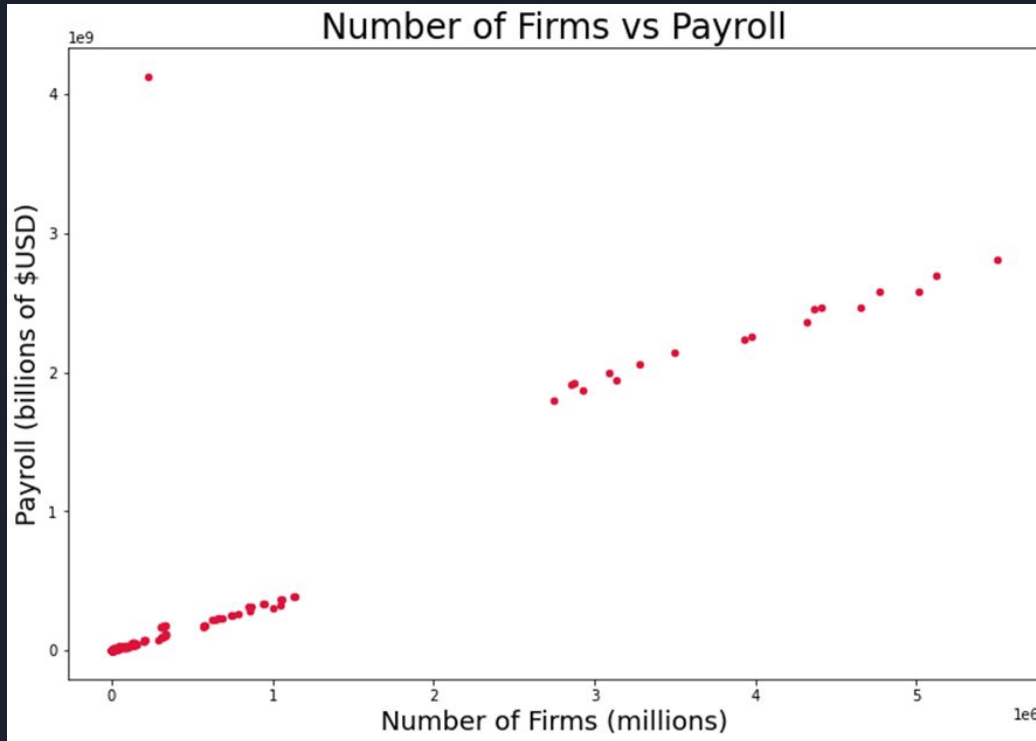
Revenue and Payroll of Asian Male & Female Firm Owners



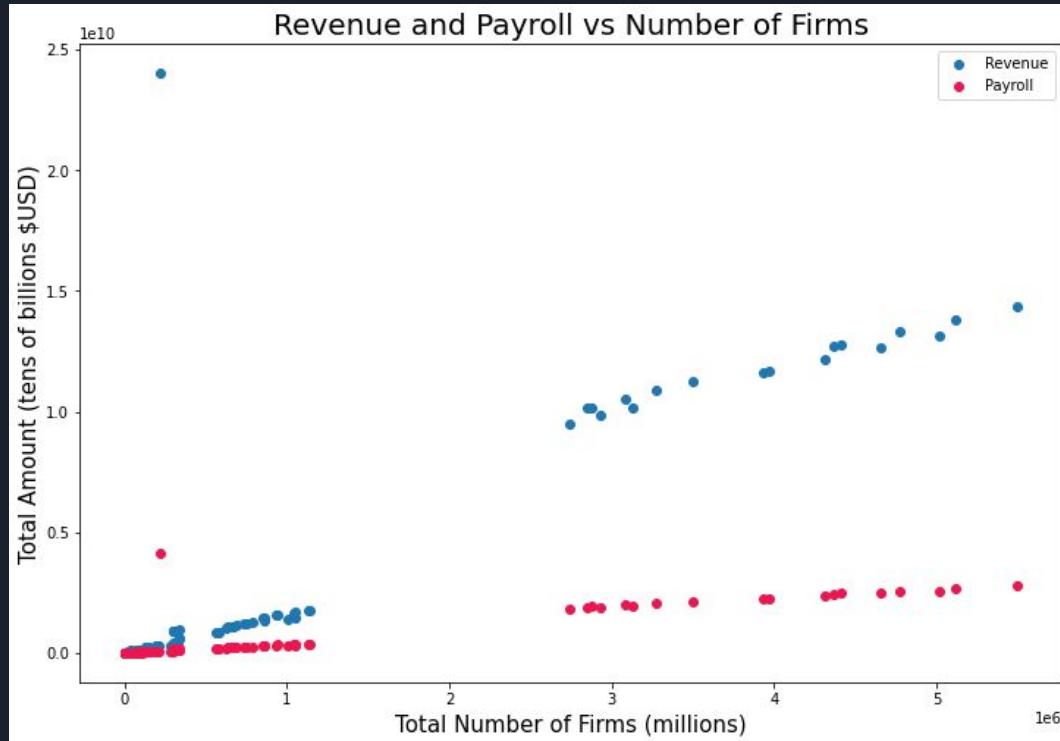
What relationships does Revenue have with the Number of Firms?



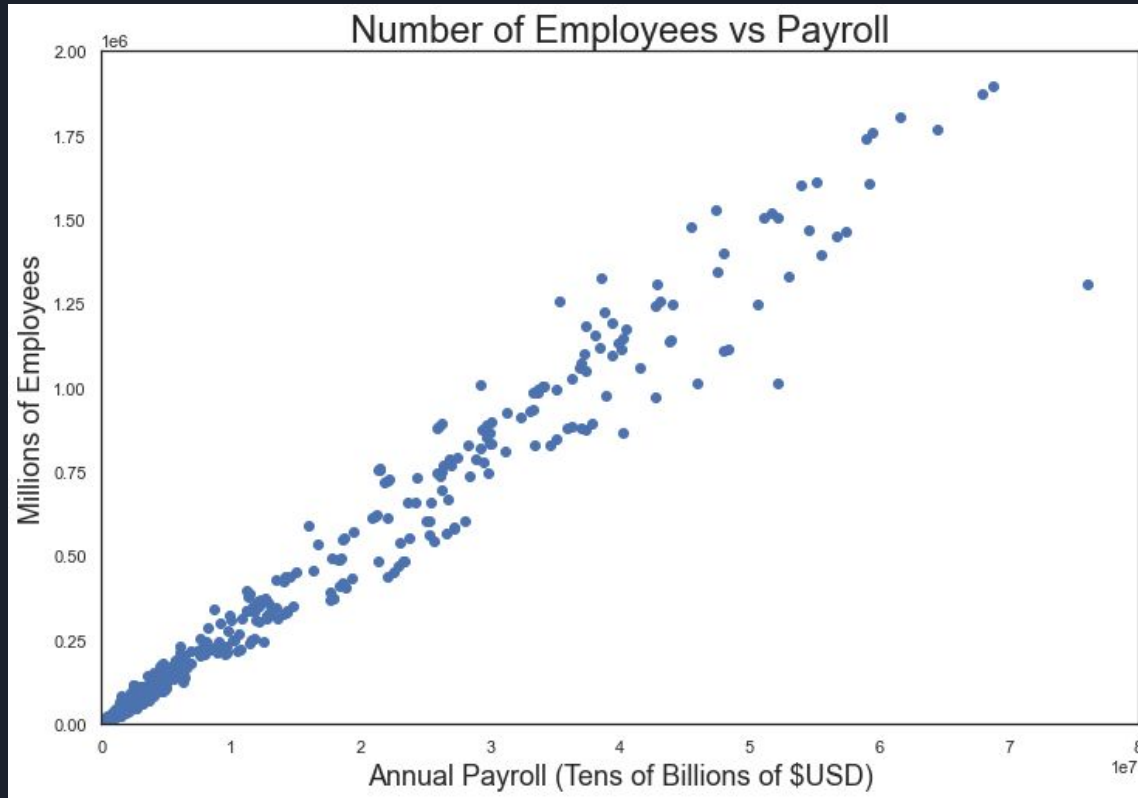
What relationships does Payroll have with the Number of Firms?



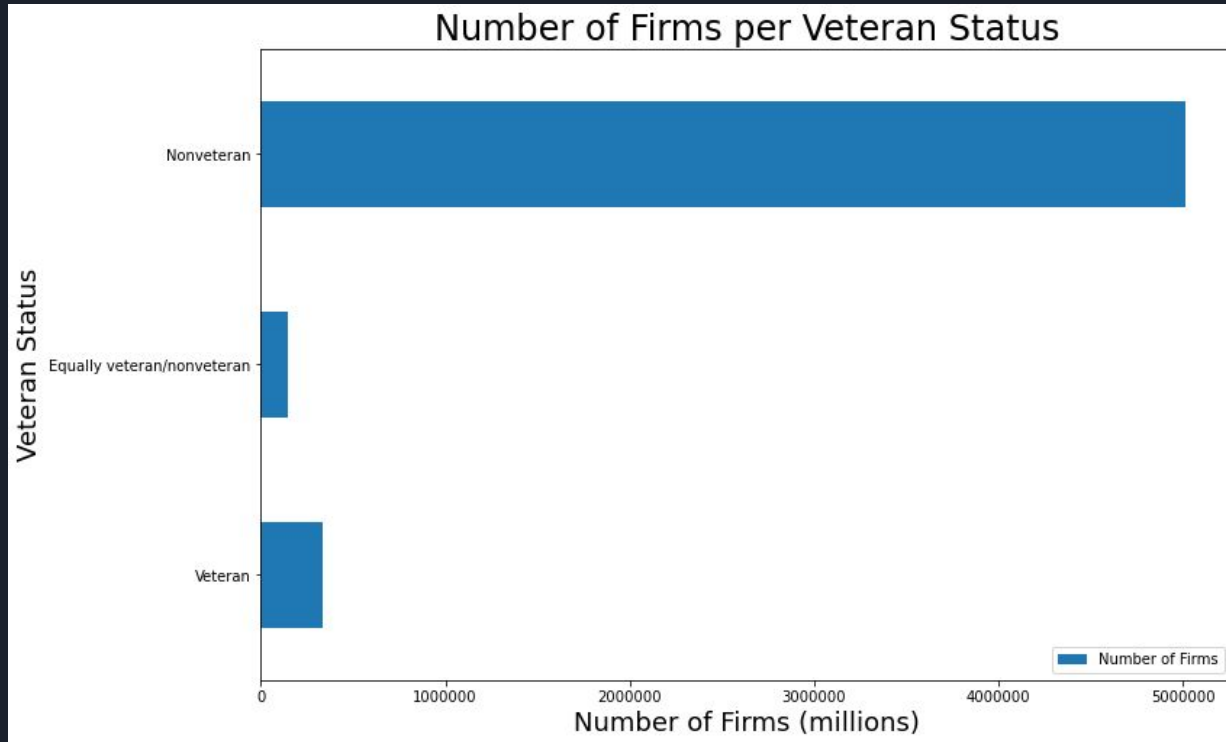
The Relationships between Revenue and Payroll with Number of Firms



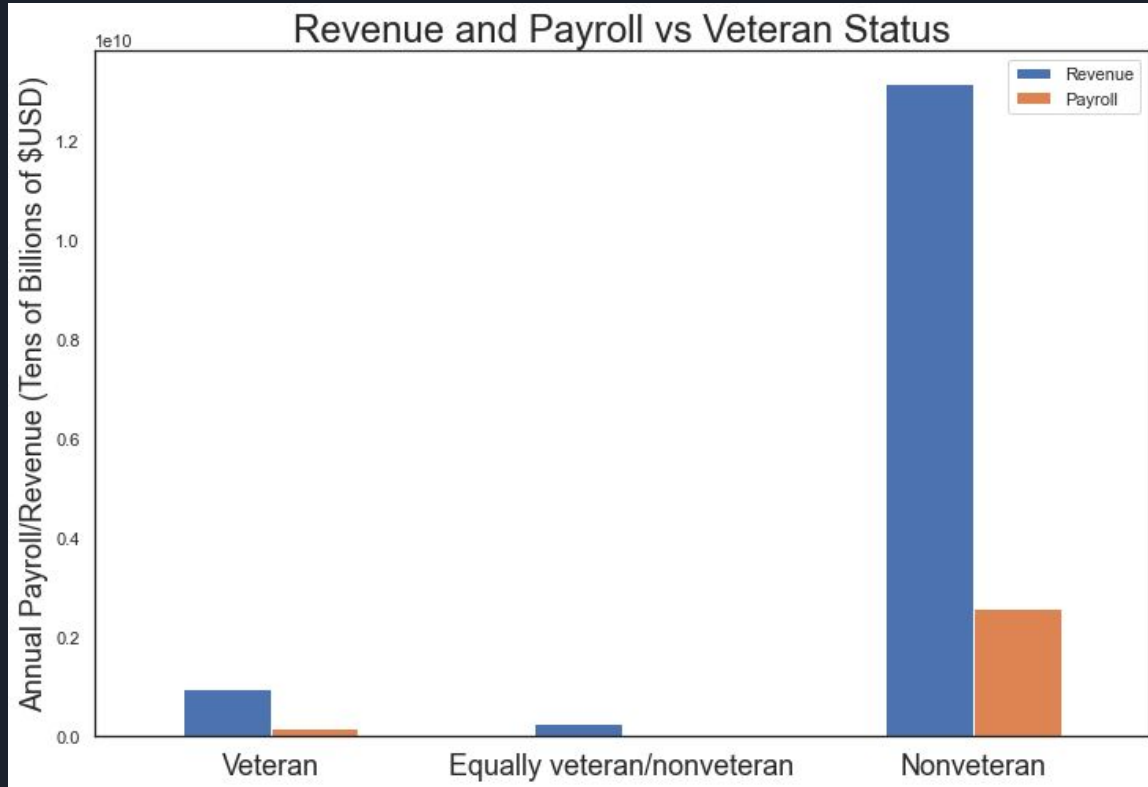
Is there a strong relationship between the Number of Employees and Annual Payroll?



How do the number of firms of different veteran statuses of all other demographics differ?



How do payrolls and revenues vary with each veteran status?





Conclusion

- Male business owners have much higher annual payrolls and revenues than female business owners regardless of race
- White business owners dominate in all business financial data
- The bigger the firm size, the higher the payroll and revenue
- There are more small firms than large firms
- Strong positive correlation between number of employees and payroll
- More non-veterans own businesses than veterans
- Non-veteran business owners have a higher payroll and revenue than veteran business owners



Source

<https://www.census.gov/data/developers/data-sets/abs.2019.html>