
Education, Experience, & Gender effects on your Career



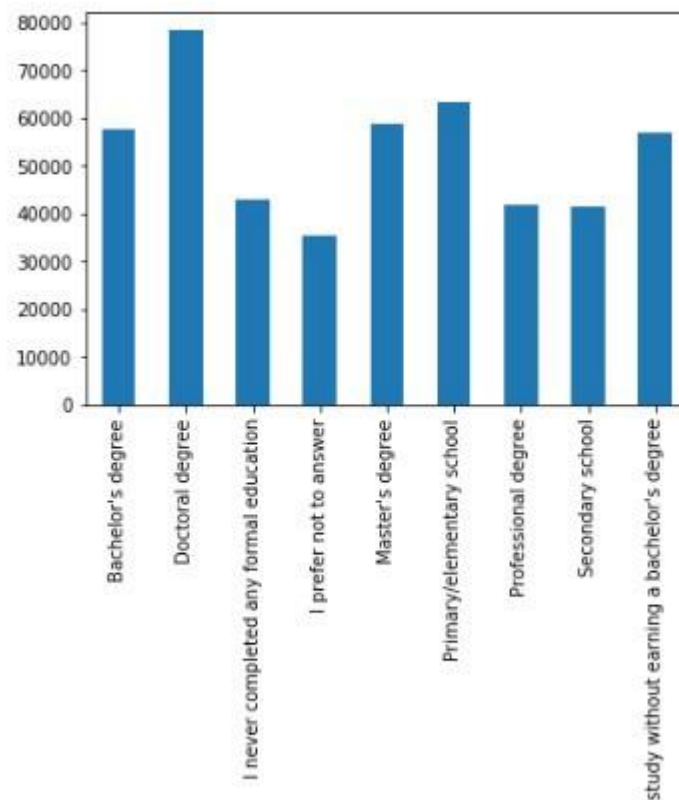
Introduction

Every year, Stack Overflow conducts a massive survey of people on the site, covering all sorts of information like programming languages, salary, code style and various other information. This year, they amassed more than 64,000 responses fielded from 213 countries.

I looked into the data to answer 3 questions:

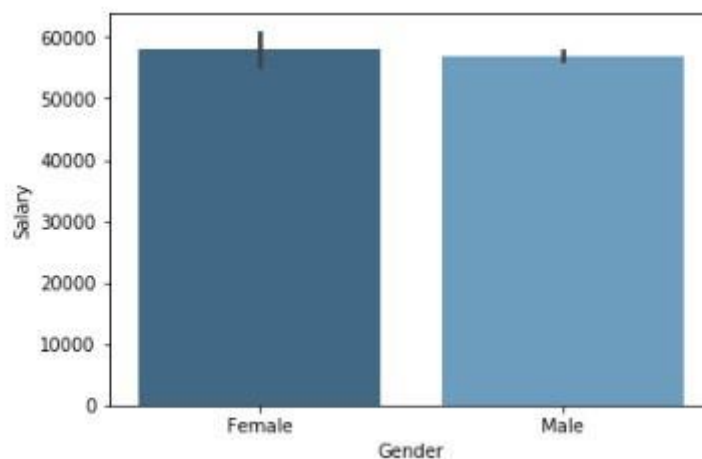
How education may influence the salary?

Education has always been a global debate in all majors, is it really worth it, do i need a bachelors degree, MBA, Masters, or should i aim high for a doctorate degree to excel in my programming career and take my salary to the maximum pay spectrum.

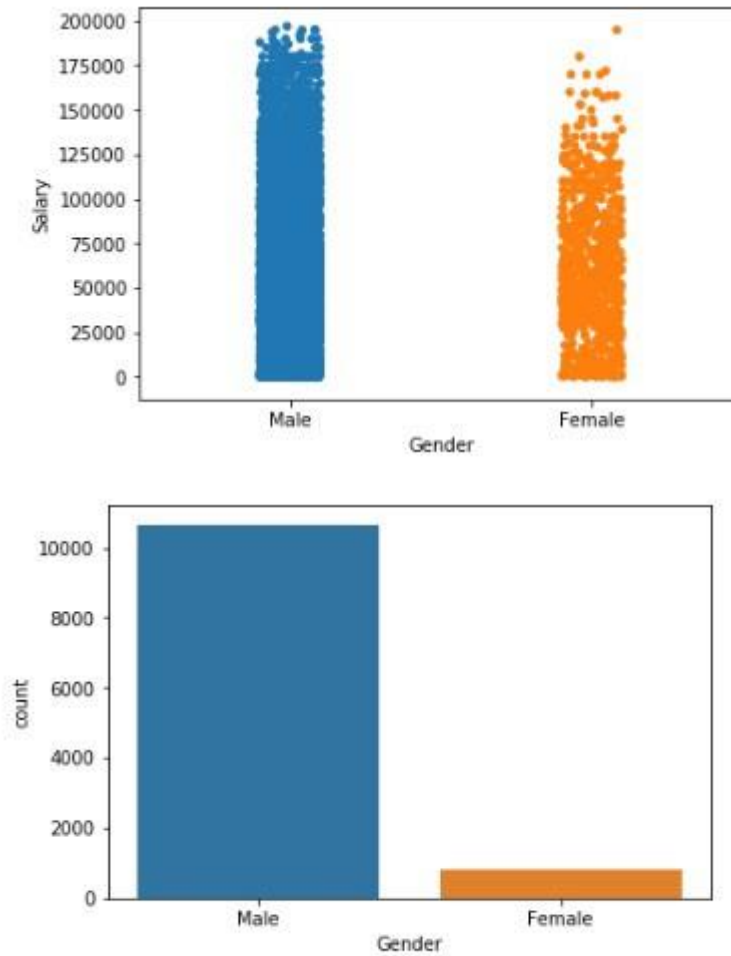


although education is changing exponentially, and usual education is becoming less needed and online education is becoming more popular, still a bachelor's degree can make you hit the ground running when it comes to salaries, but we can see that a primary/elementary school pay is almost the same as a bachelor's degree, but getting a doctoral will push you way up the spectrum, so yes formal education still pays off.

Gender Ratio of developers across the globe?

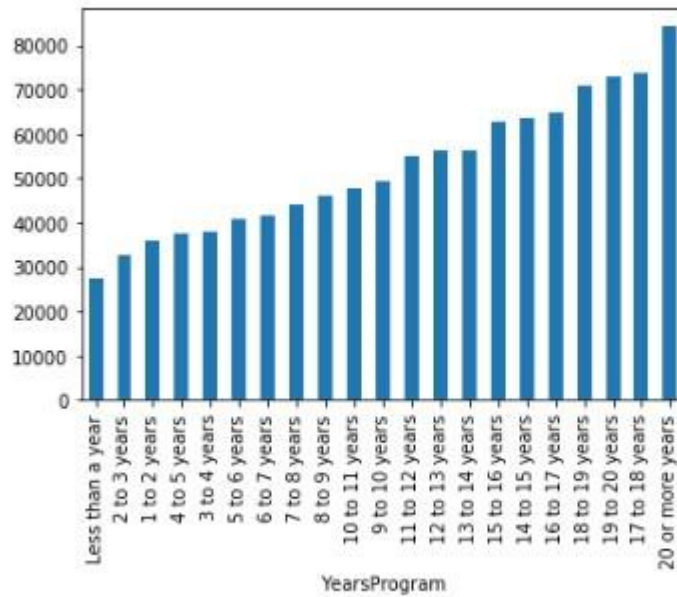


Looking at the above Graph, we will see that the mean salaries for males and females were very close to each other, meaning that there is equality when it comes to salaries.



However, further investigation of the data, we can notice that The distribution was not consistent: The top salaries ($> \$150k$) are dominated by Men, even though the mean salary for men was slightly lower. The data isn't conclusive given there are 12 times male participants as compared to female participants.

The rate of increase in salary with the years of experience?



Experience is perfectly linear with salary increase, every year of experience counts when it comes to salary, this might also correlate with education, as more experience can mean higher education.

Conclusion

A lot of factors affects salaries of programmers, we evaluated few of them, but career satisfaction, location, number of programming languages a programmer masters, and many other factors affects salaries, but from my analysis, education, and experience mater a lot, and although both males and females have almost equal salaries, men are dominate the top salaries and are present way more than women