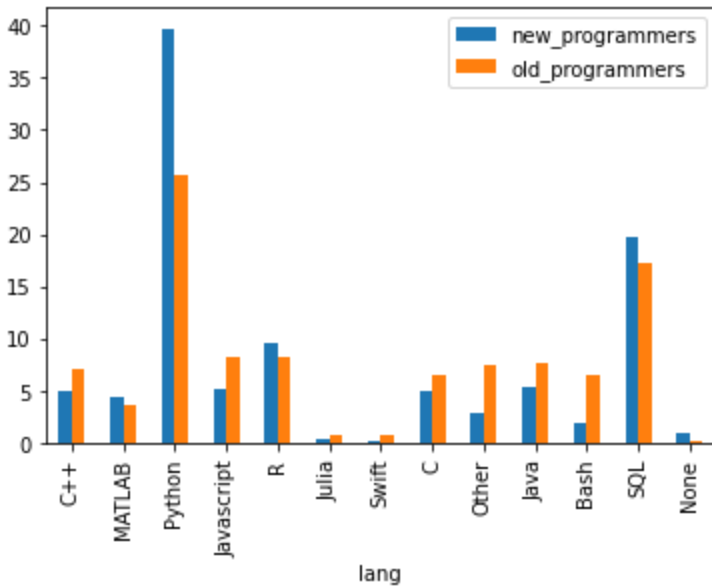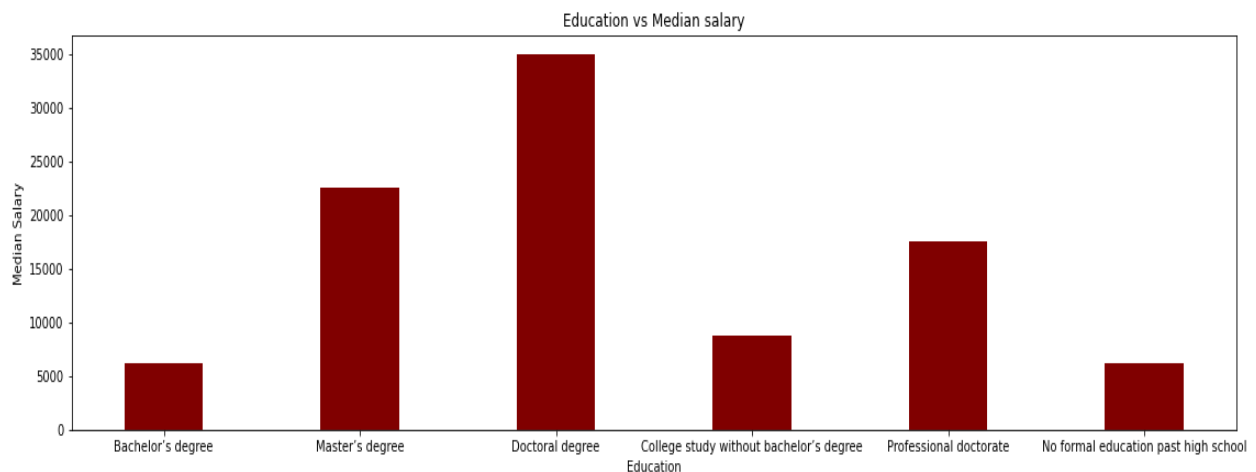# Is there any contrast between the languages used by older programmers and newer programmers?
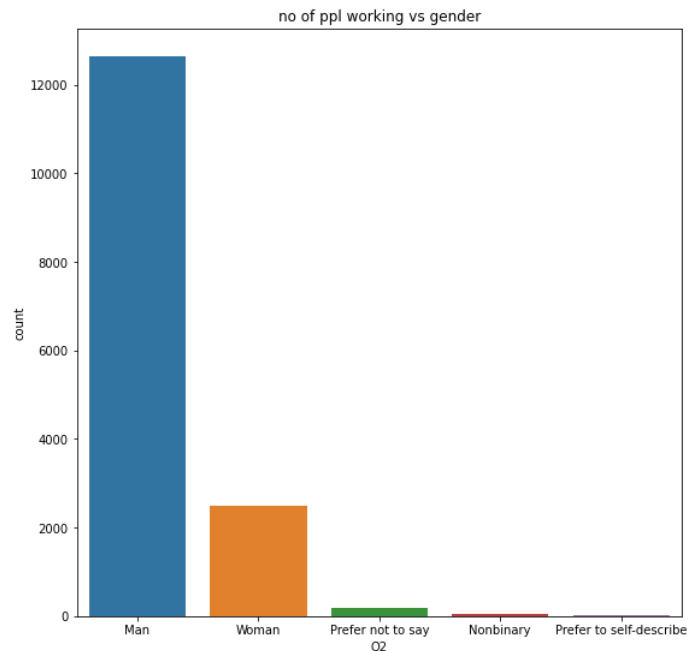

Programmers who are more experienced prefer languages like **Python, C, Bash, C++, Javascript, Julia, Swift** over those who are just starting out. New programmers tend to prefer languages such as **Python, SQL, MATLAB, and R**

Does having more education mean more money?

A person with more education has a greater chance of earning more. However, experience plays a vital role in determining a person's salary. As far as Pay is concerned, **doctoral degree > Masters degree > Professional Doctorate > Bachelors degree**

What is the ratio of all the genders that are working

The me : women : non-binary : other ratio is
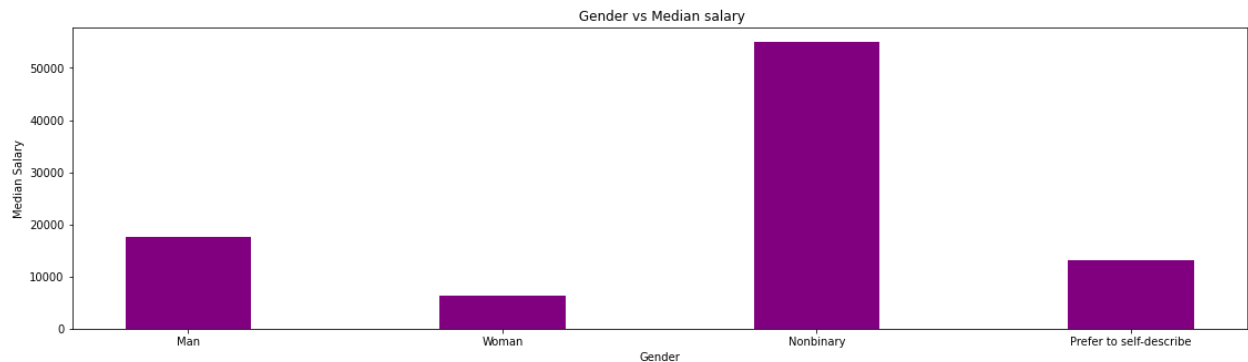12642 : 2482 : 196 : 47 : 24
 clearly, it is
male>female>non-binary>other

Where are the youngest programmers from?

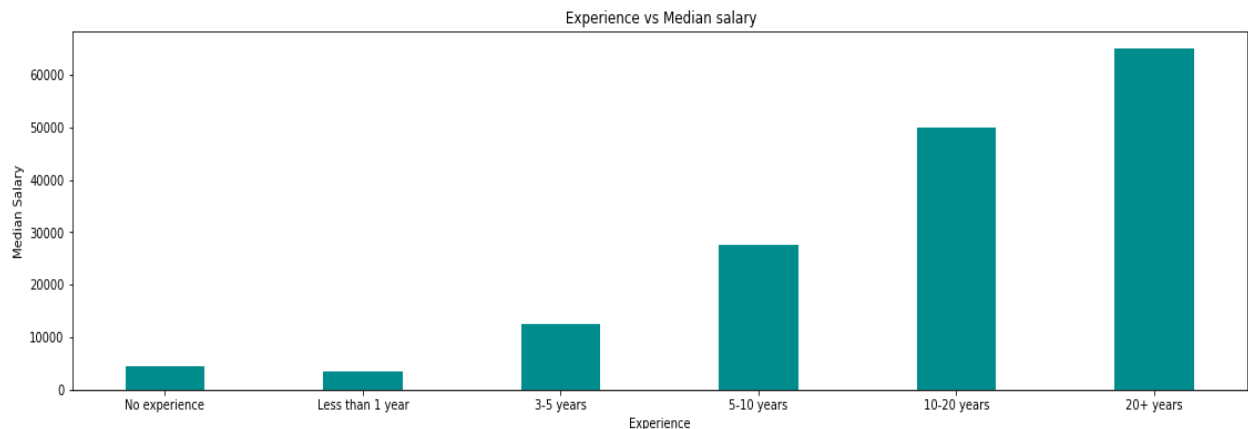|	country	Q3	population	percentage
47	Denmark	2	5867412	3.408658e-07
45	Belarus	3	9349645	3.208678e-07
1	India	421	1385135257	3.039414e-07
8	Russia	41	146171015	2.804934e-07
12	Egypt	28	102642215	2.727922e-07

Most of the youngest developers come from India, which is understandable since it is the second-most populous country. Thus, **Denmark** has the highest percentage of young programmers, followed by **Belarus** and **India**.

Which gender earns the most?

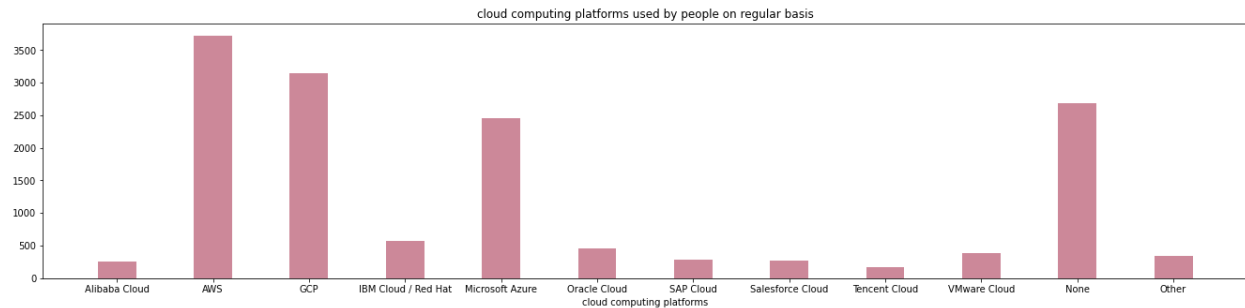The median Salary of non-binary people is the highest, followed by men and women.
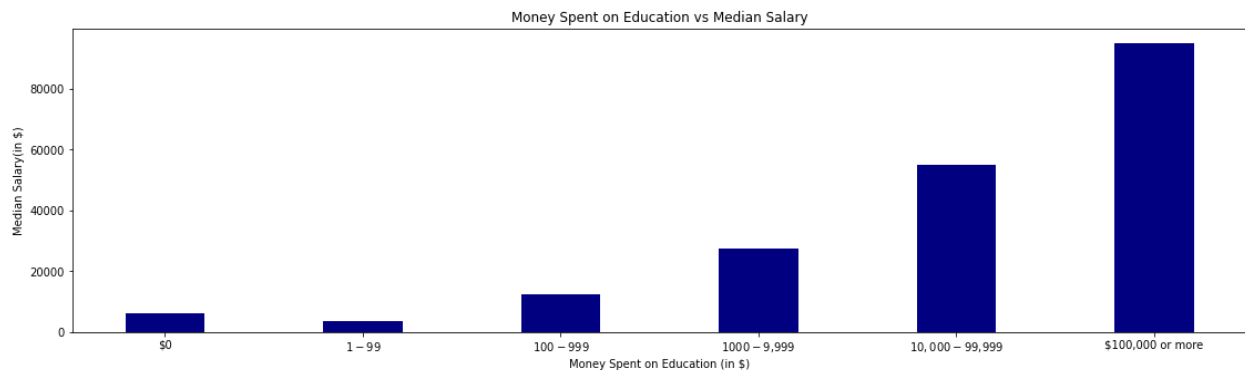
Does more experience mean more money?

Experience does lead to more money. Those with experience of 20+ years earn significantly more than those with experience of 3-5 years

Which cloud computing platforms do people use regularly?

Most people use AWS (Amazon Web Services), GCP (Google Cloud Platform), and Microsoft Azure
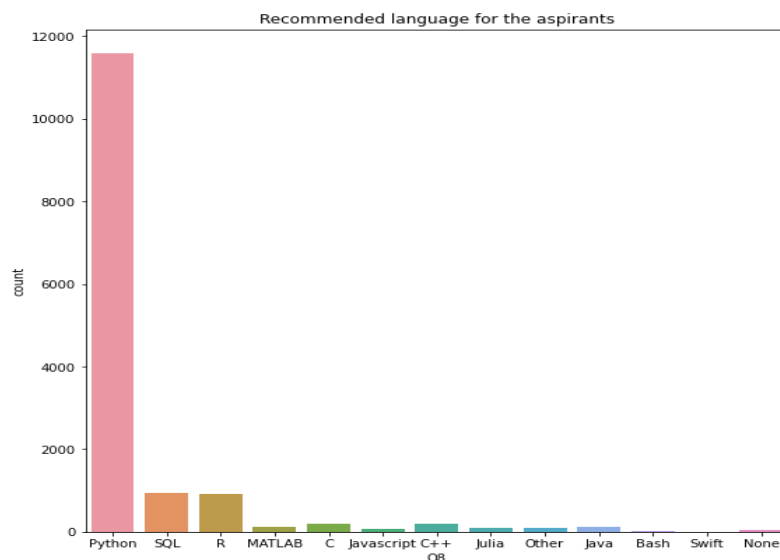
cloud computing platforms used by people on regular basis

Is there any relationship between the amount of money spent on learning machine learning and their Pay?

Money Spent on Education vs Median Salary

In general, the **more** they spend on studying machine learning, the **higher** their Salary will be

which language is recommended the most

Recommended language for the aspirants

80% of the crowd recommend **Python** as the best language to start with, followed by SQL (6.50%) and R (6.26%).

According to profile-specific recommendations, the following languages are top-recommended for each of the following profiles:

Machine Learning Engineer: Python (87%) , C++ (2%)

Software Engineer: Python (84%), SQL(4%)

Product Manager : Python(81%), SQL(7%)

Data Scientist : Python (82%), SQL(7%), R(6.4%)

Recommended language to start with for an aspiring Machine Learning Engineer

Recommended language to start with for an aspiring Data Scientist

Recommended language to start with for an aspiring Software Engineer

Recommended language to start with for an aspiring Product Manager