

Emerging Programming Skills in the IT Sector

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OUTLINE



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EXECUTIVE SUMMARY



- Programming skills that are currently in demand in the IT industry.
 - Programming languages that are mostly worked with
 - Programming languages that are mostly desired
- Databases that are mostly used by these professionals
- IDE platforms that are mostly used by professionals
- Available jobs in the IT industry

INTRODUCTION



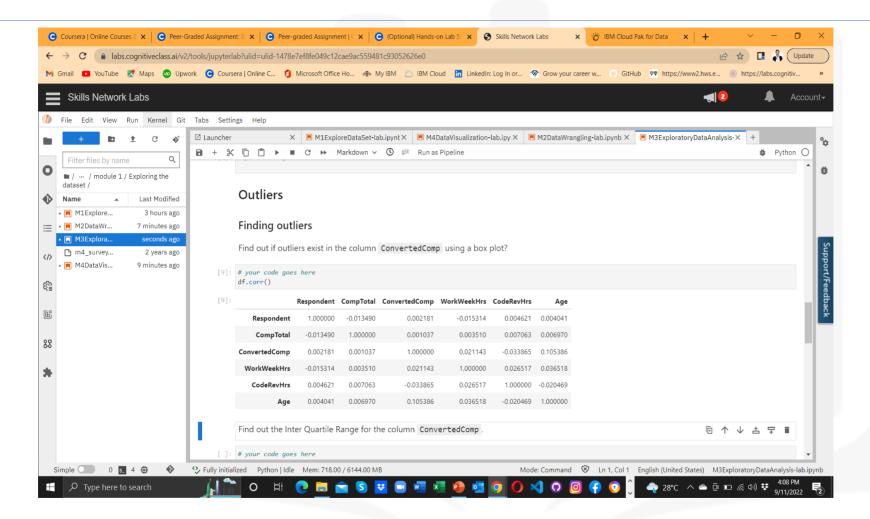
- This report gives in-depth knowledge on what is going on in the IT sector in terms of user experience
- Helping the IT and Business consulting firms to better understand their workforce interests, the tools their workforces are better working with
- And how the organizations can have a direction on what their lags and deficits are and how they can better serve the engineers and public at large

METHODOLOGY



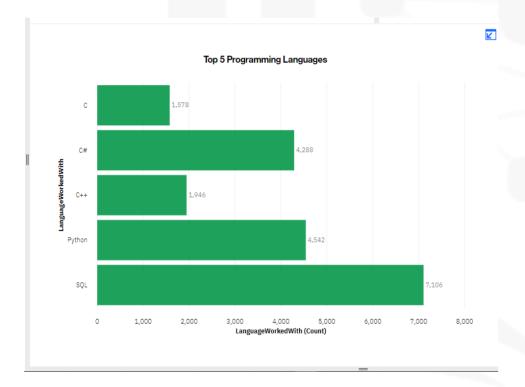
- One of the data sources used for this analysis is from APIs
- Datas were also collected from the websites using webscrapping
- Also some relational databases were used to gather data

RESULTS

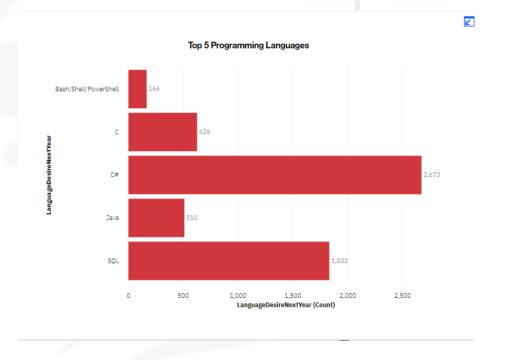


PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- According to the data, the most currently used programming language by respondents is the SQL with the value of 7,106.
- Followed by Python programming language with 4,542 respondents.
- Then C# with respondents of about 4,288.

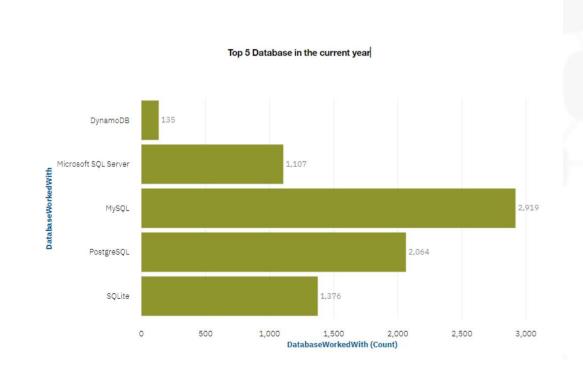
Implications

- But unfortunately, in the coming year, C# will be the most desired programming language engineers will use. With 2,673 projected respondents
- Next in line is the SQL as the second most desired language programmers use, having 1,832 respondents
- Then C programming language is the third most desired by engineers. With 626 respondents.

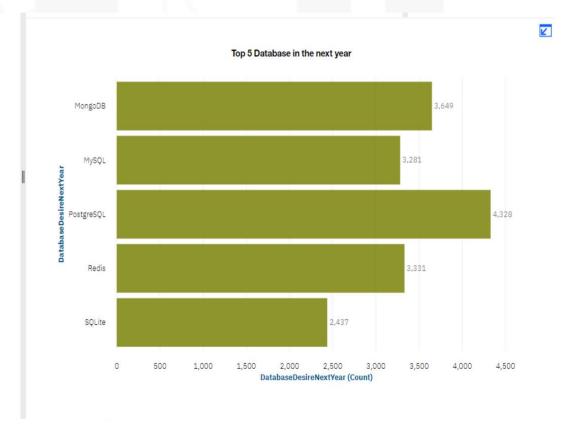


DATABASE TRENDS

Current Year



Next Year







DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- The most current database is the MySQL with respondents of 2,919
- Next is the PostgreSQL with 2,064 respondents
- And thirdly is the SQLite database with 1,376

Implications

- But in the coming year engineers will be using PostgreSQL database as the most desired, having 4,328 respondents
- Followed by MongoDB database, with 3,649
- And the third most desired database in the coming year is the Redis database, with 3,331 respondents

DASHBOARD



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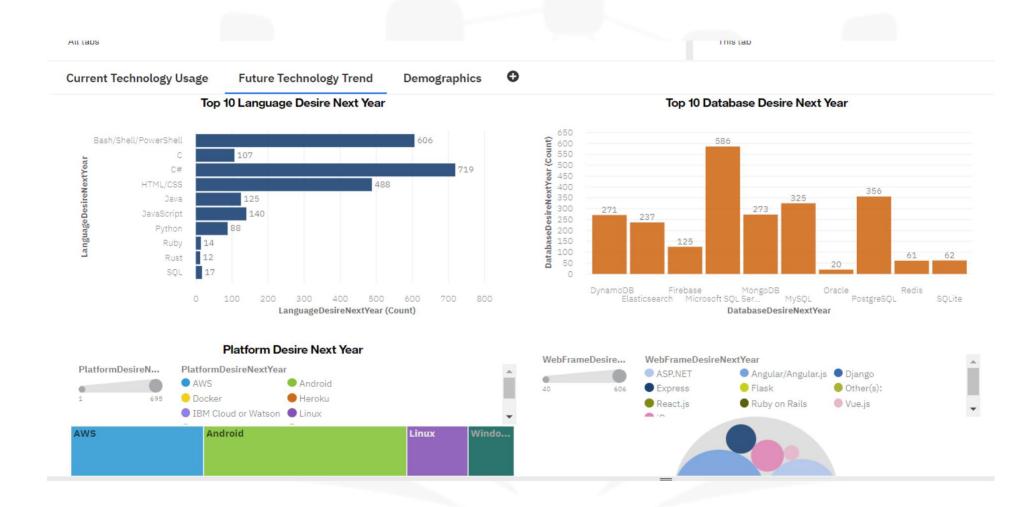
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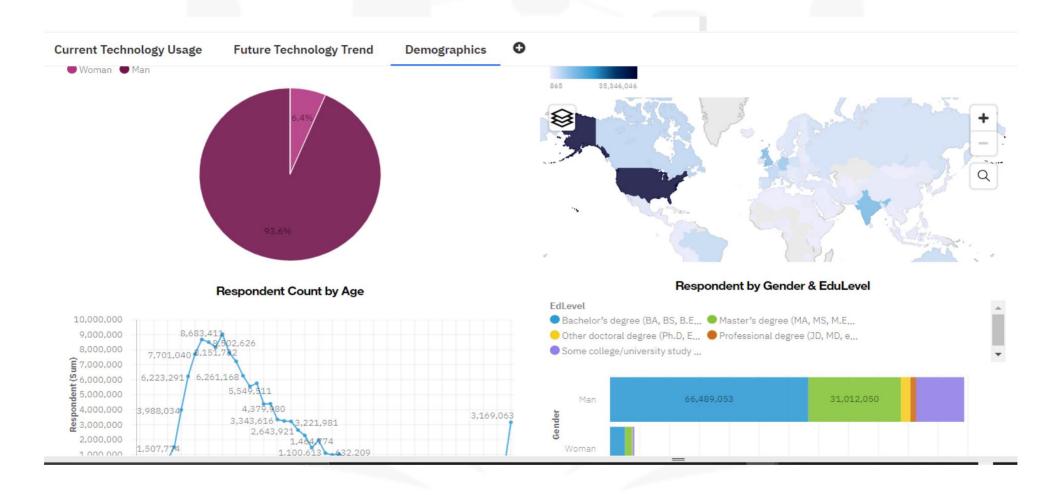
DASHBOARD TAB 1



DASHBOARD TAB 2



DASHBOARD TAB 3



DISCUSSION



- It was shown that younger people are interest in programming
- United States is the top when it comes to programming profession
- All programming professions are highly paid according to hierarchy

OVERALL FINDINGS & IMPLICATIONS

Findings

- The programming language with the highest salary is swift with \$130,801
- The age range of the most responsive respondents are between 28-30 years
- Most of the respondents are from United States

Implications

- The least paid programming language is PHP
- The least participated age range are 16-18, 56-58, 62-72 years
- The least respondents countries are Tanzania and Ethiopia

CONCLUSION



- The top programming languages in demand are; C#, Java, Python, Ruby, SQL, C
- The top Databases in demand are; SQLite, DynamoDB, PostgreSQL, Redis
- The popular IDEs are; AWS, Linux, Andriod, Docker, Heroku
- Include any relevant additional charts, or tables that you may have created during the analysis phase.