

Developer Survey Analysis

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OUTLINE



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EXECUTIVE SUMMARY



- Demographics survey
- Trends in databases and programming languages
 - Javascript is the most used programming language
 - Swift is the highest paying programming language
- Data technologies field is preferred by students pursuing bachelors and masters degree

INTRODUCTION



- Dashboards were created to visualize the data
- Analyzed the trends in programming languages

METHODOLOGY



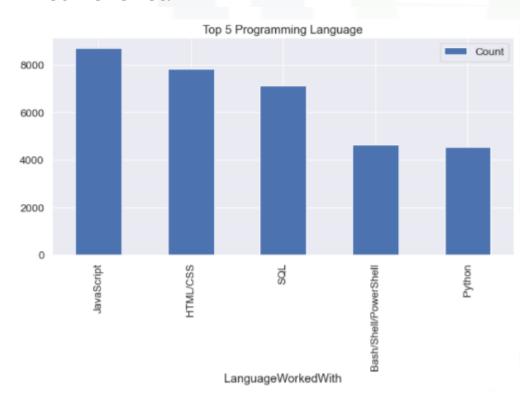
- Data Collection
- Data Exploration
- Data Cleaning
- Data Visualization
- Presentation

RESULTS

- ▶ The data was collected from stack overflow under Open Database License.
- In the next few slides we will be discussing our findings.

PROGRAMMING LANGUAGE TRENDS





Next Year







PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- PowerShell is edged out next year
- Top 3 programming languages are, JavaScript, HTML/CSS and SQL
- They were followed by Bash and Python

Implications

- With Deep Learning, Machine Learning and Artificial Intelligence is in rising demand, Python is the best choice
- Web development is still in high demand

DATABASE TRENDS



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- My SQL dominates the platform
- PostgreSQL was the second data base preferred
- MongoDB and Redis are coming after them

Implications

- Redis supports abstract data types
- We may see MongoDB and PostgreSQL more often
- MySQL may reach a saturation point

DASHBOARD



https://eu-

gb.dataplatform.cloud.ibm.com/dashboards/f6

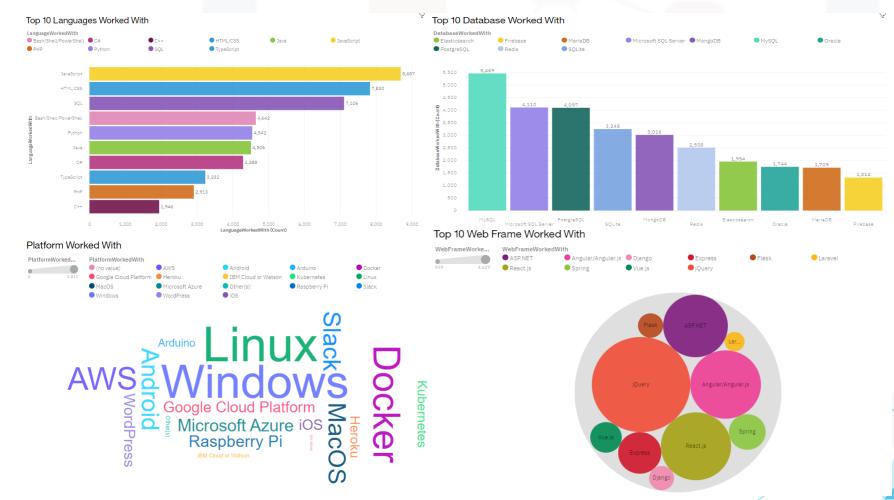
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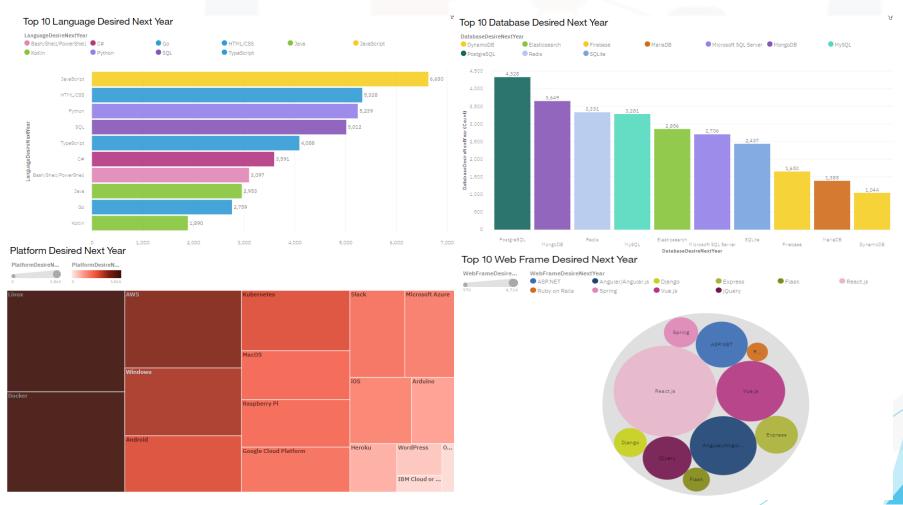
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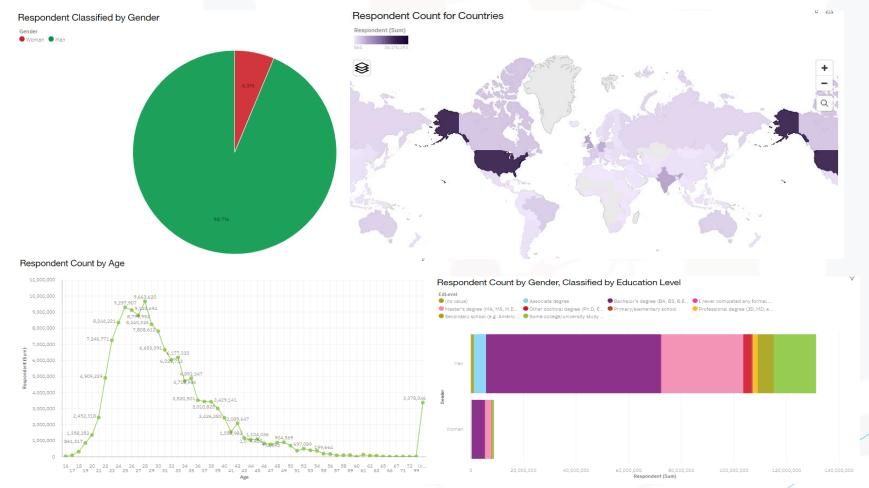
Technology Usage Dashboard



Future Tecnology Trend Dashboard



Demographics Dashboard



DISCUSSION



- Would MongoDB and PostgreSQL be better than MySQL?
- Why is the popularity of MySQL is decreasing?
- Is python losing its popularity?

OVERALL FINDINGS & IMPLICATIONS

Findings

- Survey results are dominated by male and majority of them are USA respondents.
- Bachelor's and Master's students highly prefer data technology.

Implications

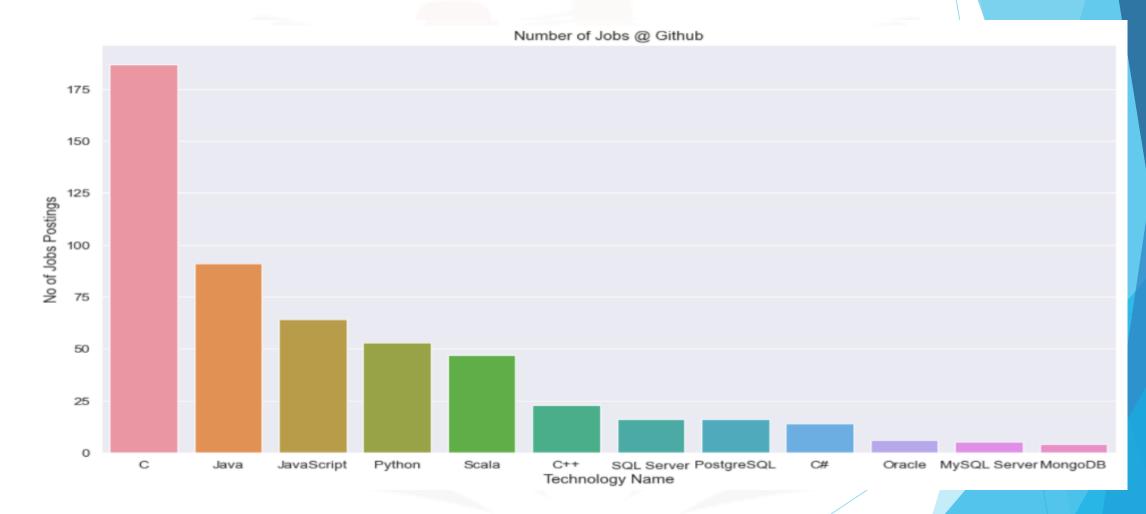
Companies need to be more flexible

CONCLUSION

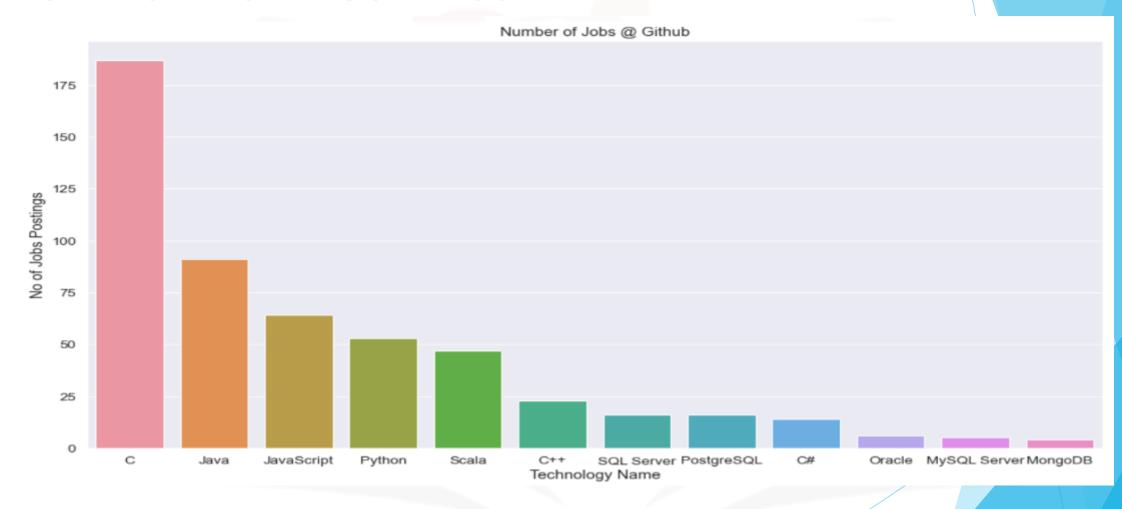


- From the data visualization charts it is clear that the data technologies are mostly preferred by 20-40 years old people.
- Results are dominated by male and majority of them are USA respondents.
- MongoDB and PostgreSQL are going to overtake SQL

APPENDIX



GITHUB JOB POSTINGS



POPULAR LANGUAGES

