

TECHNOLOGY TRENDS AND ANALYSIS

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OUTLINE



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EXECUTIVE SUMMARY



- Programing Languages, Databases and Web Frames Trends
- Demographics Survey
- Gender Gap in Technologies

INTRODUCTION



Analysis of Trends in Software development

Purpose:

To identify TOP Technologies Today and Future Trends of:

 Programing Languages | Databases | Platforms | Web Frames

Demographical Characteristics of Respondents in Tech Field

- Gender Share
- Education Level
- Age Groups

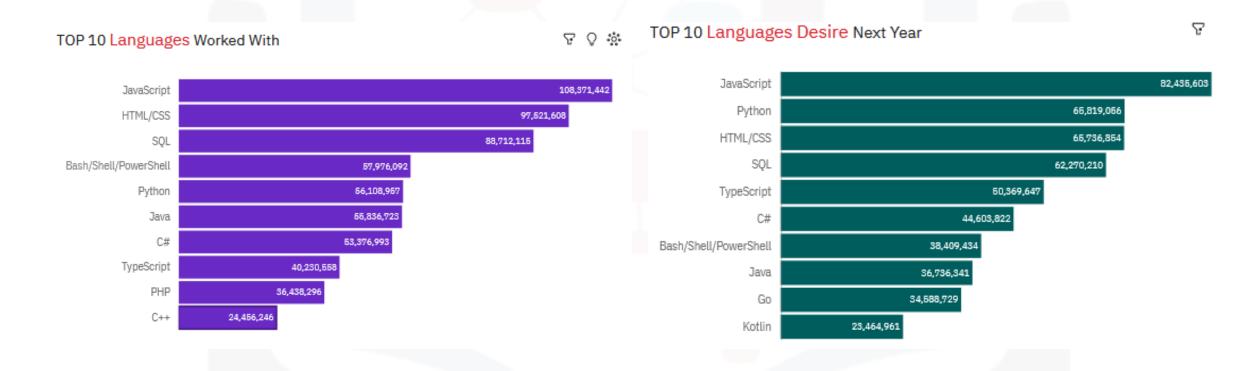
METHODOLOGY



Data Collection Sources:

- Stack Overflow Developer 2019 Survey
- GitHub Job Postings
- Data Exploration
- Data Cleaning
- Data Visualization
- Presentation

PROGRAMMING LANGUAGE TRENDS



PROGRAMMING LANGUAGE TRENDS - FINDINGS & **IMPLICATIONS**

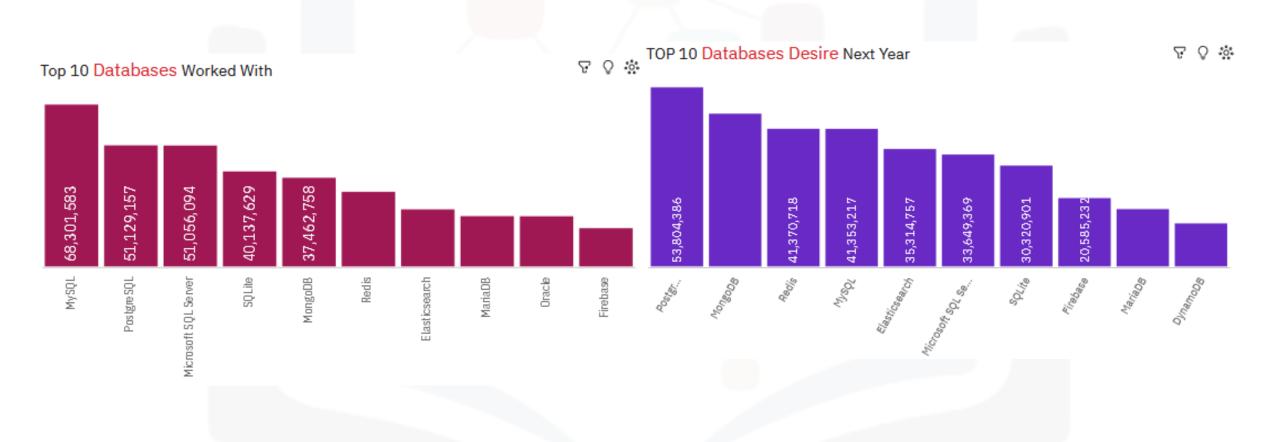
Findings

- JavaScript, HTML/CSS and SQL are trending 2019
- Next Year in the TOP3 position comes Python instead of SQL

Implications

- C++ and PHP are leaving programing language "arena"
- Go and Kotlin are new languages in TOP 10

DATABASE TRENDS



DATABASE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

- MySQL most popular in 2019
- PostgreSQL and MicrosoftSQL Server are very close to each other
- Mongo DB and Redis are upcoming favorites

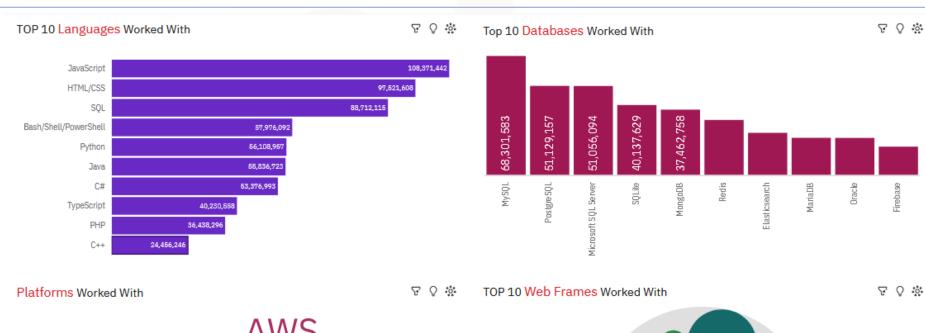
Implications

- Open source databases are still preferable in companies
- NoSQL databases will make an impact for storing non relational data

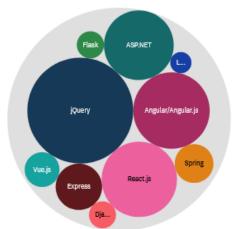
DASHBOARD



DASHBOARD TAB 1

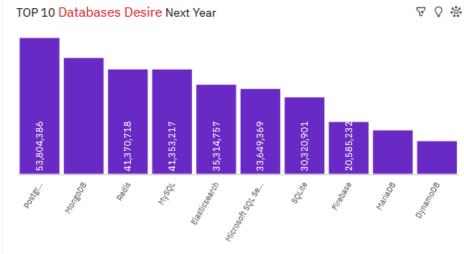




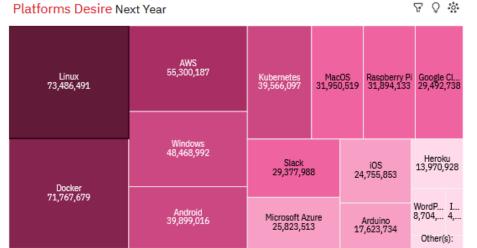


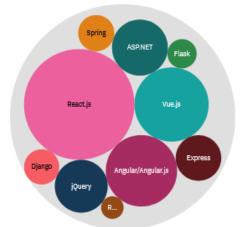
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TOP 10 Web Frames Desire Next Year

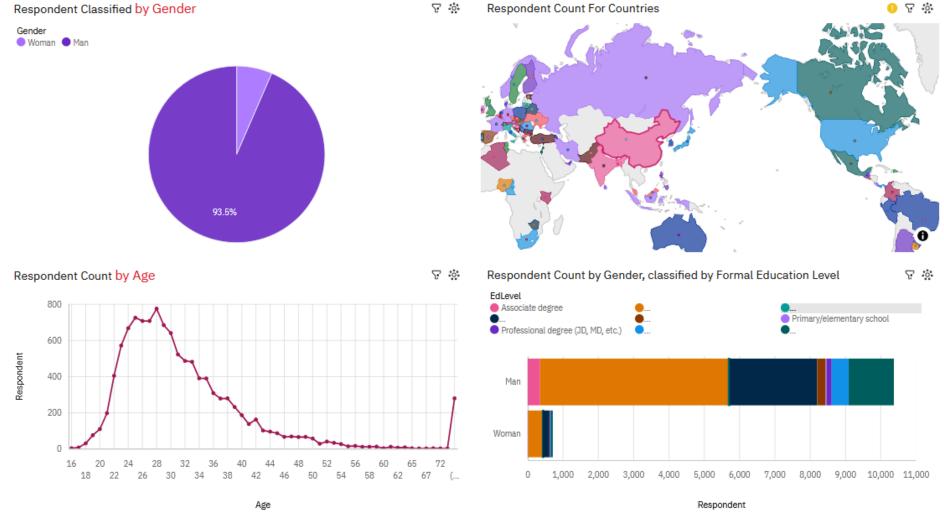




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DASHBOARD TAB 3



DISCUSSION



- Tech trends now and in the future
- Training and new skills
- Female participation in Tech field

OVERALL FINDINGS & IMPLICATIONS

Findings

- Popularity between different technologies changes every year
- There are significant gap of womens in Technologies

Implications

 Companies need to be dynamic and be ready to improve technologies

CONCLUSION



Tech field is diverse and very dynamic it requires to be up to date all the date not just for IT specialist, but for companies and developers also.