

STACK OVERFLOW DEVELOPER SURVEY 2019

MD LUTFUL KABIR 26 MAY 2023

Linkedin:

https://www.linkedin.com/in/mdlutfulkabir/

OUTLINE



- Executive Summary
- Introduction
- Metholology
- Results
 - Visualization Charts
 - Dashboard
- Discussion
 - Findings & Implications
- Conclusion
- Appendix

EXECUTIVE SUMMARY



- Data contextualization and analysis goal
- Methodology description
 - Data gathering
 - Data analysis
 - Data visualization
- Results shows the graphs and trend supported by various graphs
- Discussion of overall findings and implications regarding the results previously exposed
- Final conclusions of the findings in Dataset.

INTRODUCTION



- Stack Overflow's annual Developer Survey is the largest and most comprehensive survey of people who code around the world
- Reuslt don't represent everyone in the developer community evenly
- Nearly 90,000 developers responded
- Trends
 - Technology worked with
 - Future technology to work

METHODOLOGY



- Collect survey data
 - Web scraping
 - APIs
 - Request library
- Data wrangling
- Exploratory Data Analysis (EDA)
 - Distribution
 - Outlier Handling
 - Correlation
- Visualization
 - Distribution of data
 - Relationship
 - Comparison
 - Composition
- Dashboards

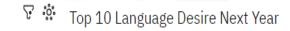
RESULTS



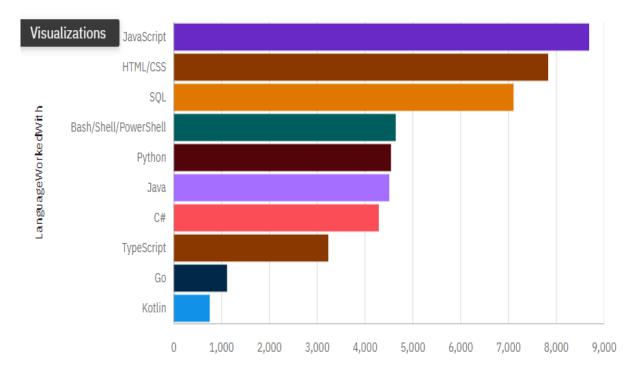
What found?
What's happening
here...

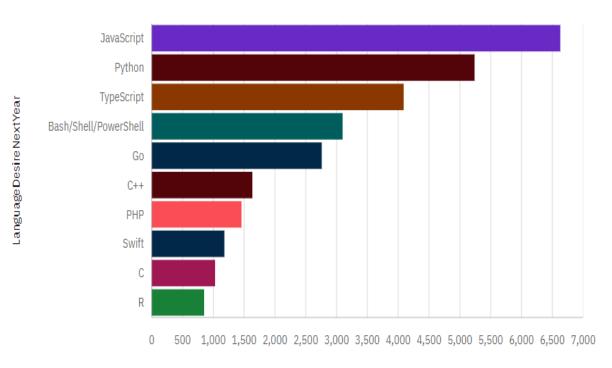
PROGRAMMING LANGUAGE TRENDS

Top 10 Language Worked with









LanguageWorkedWith (Count)

LanguageDesireNextYear (Count)

PROGRAMMING LANGUAGE TRENDS - FINDINGS & **IMPLICATIONS**

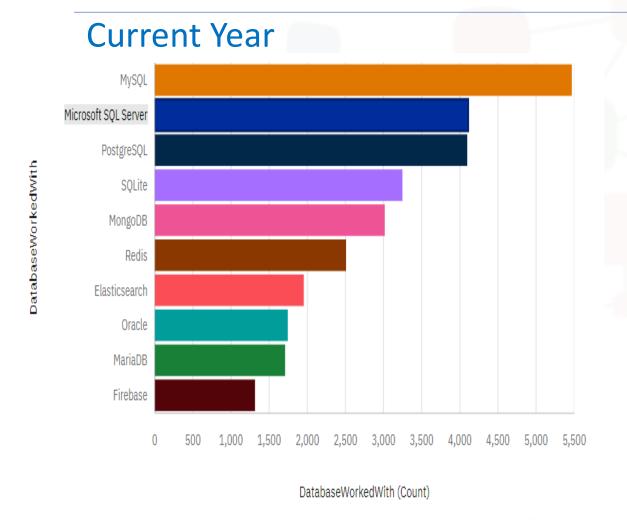
Findings

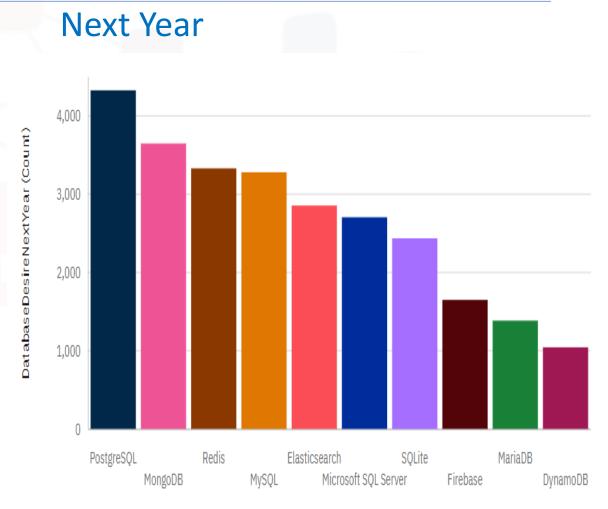
- Javascript leading
- HTML,SQL might not use very much
- Python might lead but Kotlin will jump it's place significanlty

Implications

 Possibility of learning New language among the developers and the future technology will worked on that language

DATABASE TRENDS











DATABASE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

- MySQL as most used database.
- Lack of interest in Microsoft SQL Server and SQLite.
- Increasing interest in PostgreSQL and MongoDB.

Implications

- Microsoft SQL Server and SQLite losing ground in the market.
- PostgreSQL and MongoDB establishment in the market.

DASHBOARD

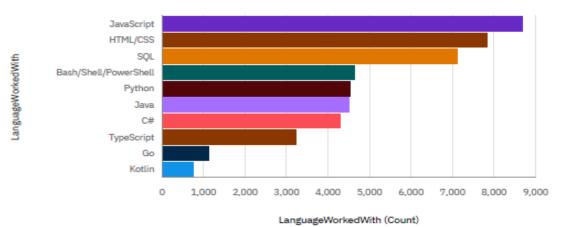


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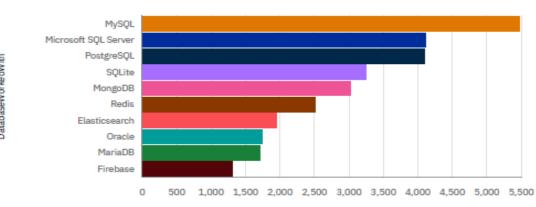
DASHBOARD TAB 1

Current Technology Usage

Top 10 Language Worked with



Top 10 Database Workedd

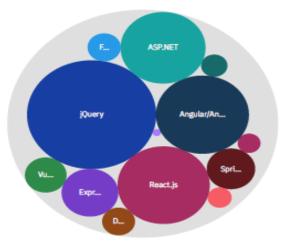


DatabaseWorkedWith (Count)

Platform Worked With



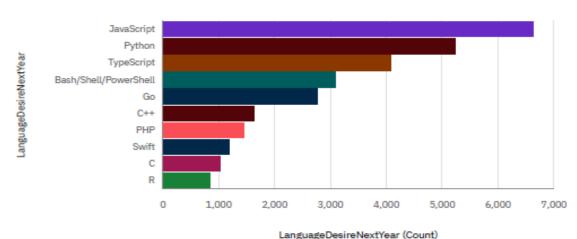
Top 10 Webframbed Work With



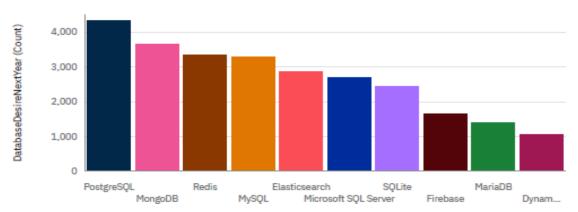
DASHBOARD TAB 2

Future Technology Trend

Top 10 Language Desire Next Year

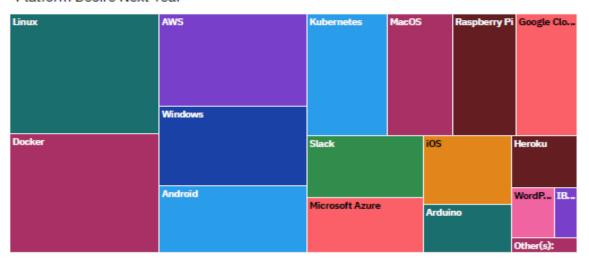


3 Top 10 Database Desire Next Year

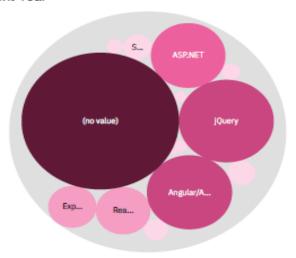


DatabaseDesireNextYear

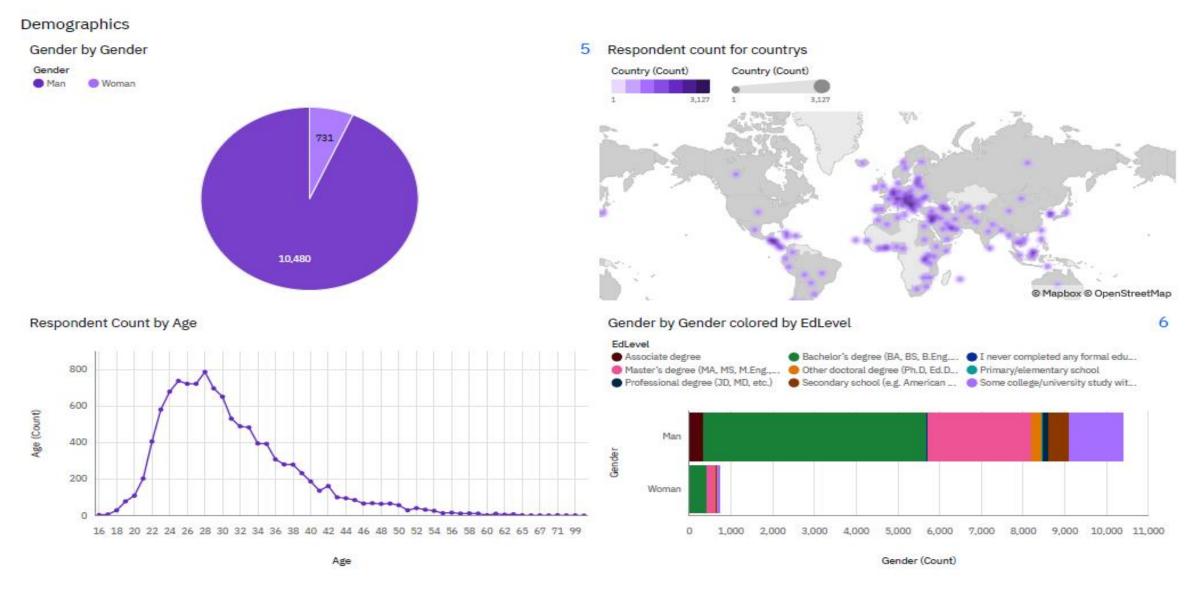
Platform Desire Next Year



Webframe Desire Next Year



DASHBOARD TAB 3



DISCUSSION



OVERALL FINDINGS & IMPLICATIONS

Findings

- JavaScript widely used and TypeScript getting popular.
- Over 90% young male developers.
- Developers mostly located in developed countries.

Implications

- JavaScript and TypeScript web frames gaining followers.
- Global polarization of developers location and gender.
- Young developers without postgrad studies on its majority.

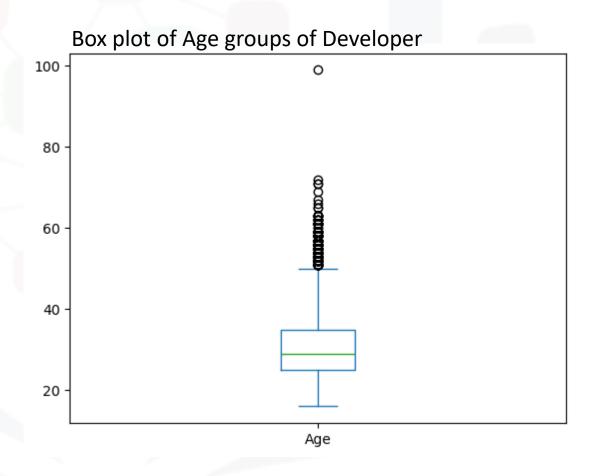
CONCLUSION



- Developers are people with very marked characteristics.
- A good idea of popularity trends of different tools, platforms and languages can be obtained.
- There is a job to be done to spread accessibility of this labor market to countries in development.

APPENDIX





POPULAR LANGUAGES

