



FINDINGS REPORT CAPSTONE PROJECT

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OUTLINE



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

EXECUTIVE SUMMARY



- We worked with a dataset composed of 90,000 responses from software professionals around the world, making it possible to reflect the real world scenario.
- The main points of interest are which languages, databases and frameworks are the most used by respondents nowadays and which knowledge are desired by then for the coming years.

INTRODUCTION



- Programming Language Trends
- Database Trends
- Dashboards
 - Top 10's
 - Respondents by Country
 - Respondents by Gender
 - Respondents by Age

METHODOLOGY



- Dataset Steps:
 - Data Wrangling (Removing Duplicates, Imputing Missing Values)
 - Data Analysis (Handling Outliers, Correlation)
 - Data Visualization (Visualizing Relationship, Composition and Comparison of Data)

RESULTS

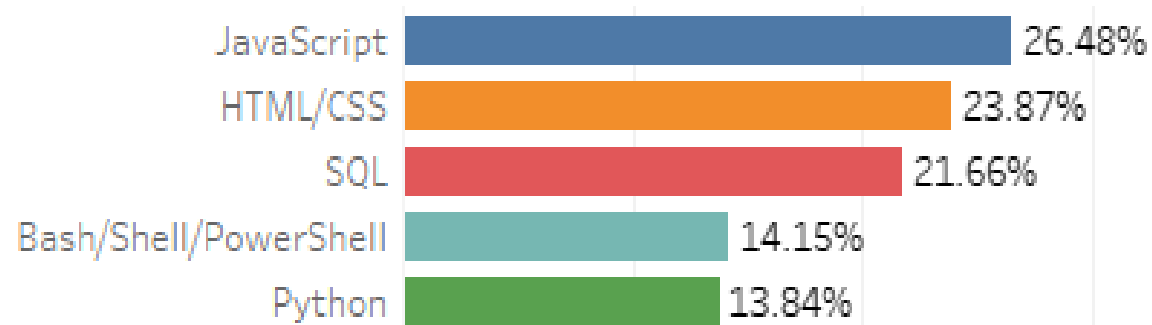
- The data used on the charts are from the already discussed dataset.
- The relevant data will be shown in different charts like:
Pie charts, Stacked charts, Line charts, bar charts, Bubble charts

PROGRAMMING LANGUAGE TRENDS

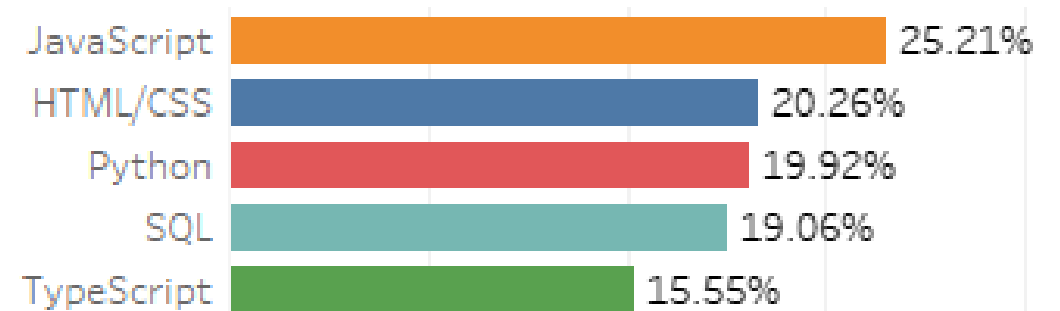
Current Year

Next Year

Top 5 Languages This Year



Top 5 Languages Desire Next Year



PROGRAMMING LANGUAGE TRENDS – FINDINGS & IMPLICATIONS

Findings

- JavaScript and HTML/CSS are the most used programming languages today and the most desired by programmers in the near future.
- The situation of Python is approximately the same as the both above.

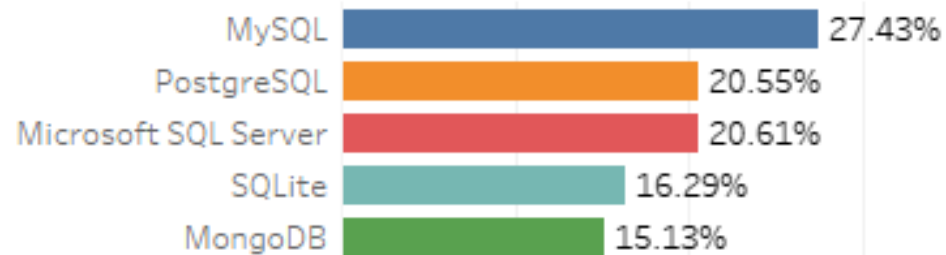
Implications

- Bash/Shell/PowerShell are used today, but programmers want to learn more about TypeScript in the near Future.

DATABASE TRENDS

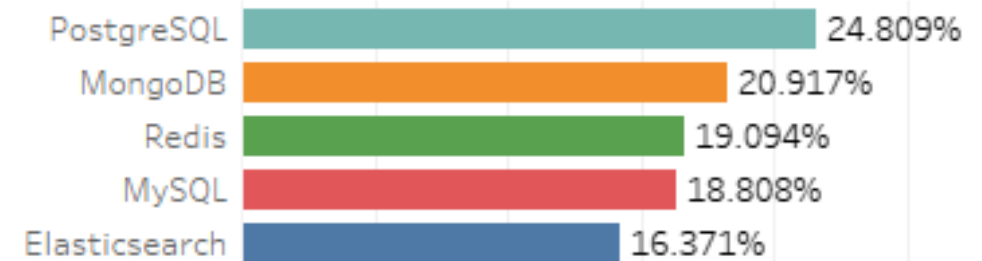
Current Year

Top 5 Databases This Year



Next Year

Top 5 Databases Desire Next Year



DATABASE TRENDS – FINDINGS & IMPLICATIONS

Findings

- MySQL is the most used database by respondents, followed by PostgreSQL and Microsoft SQL Server.
- In the near future respondents want to learn more about PostgreSQL.

Implications

- MySQL has lost space among respondents, while PostgreSQL has been increasingly requested.

DASHBOARD

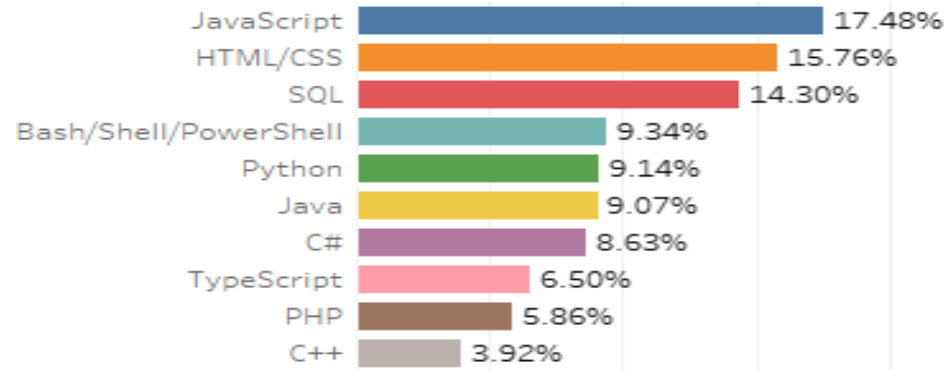


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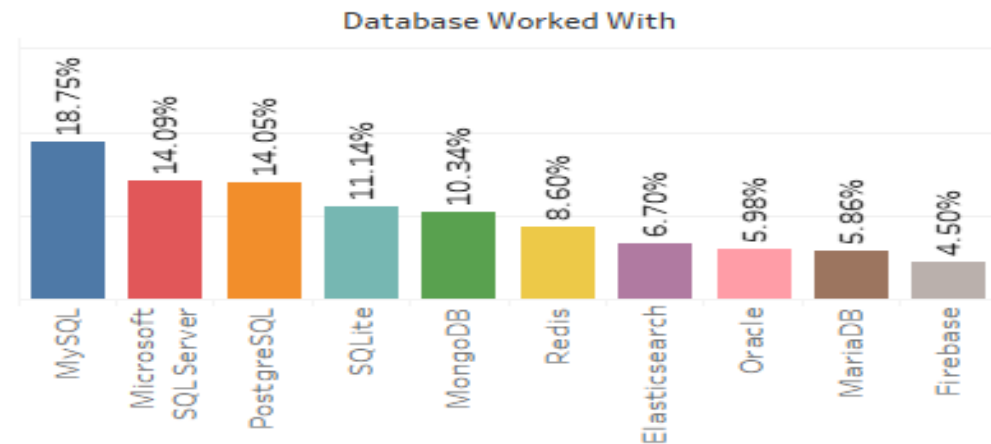
<https://public.tableau.com/app/profile/ronak.more8887/viz/DeveloperSurvey2019-2/FutureTechnologyTrend>

DASHBOARD TAB 1

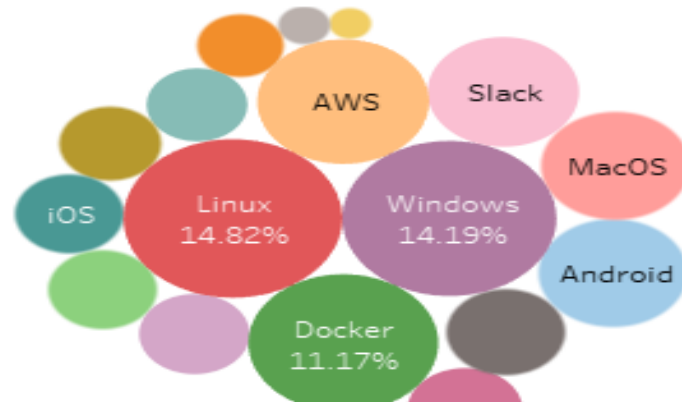
Top 10 Languages Worked With



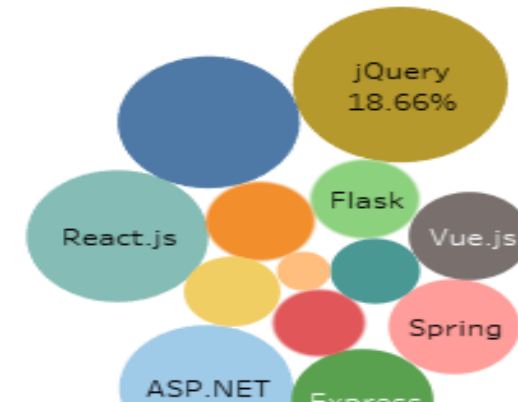
Top 10 Databases Worked With



Top 10 Platform Worked With

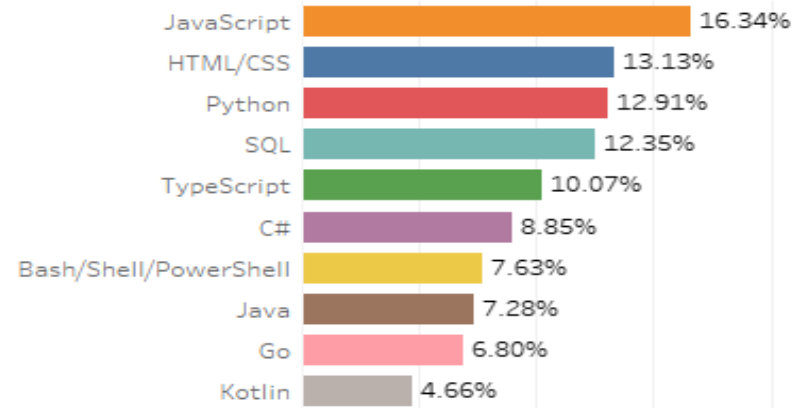


Web Frame Worked With

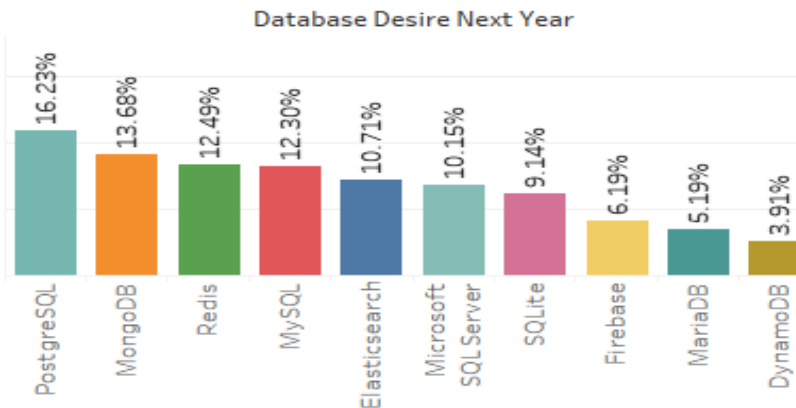


DASHBOARD TAB 2

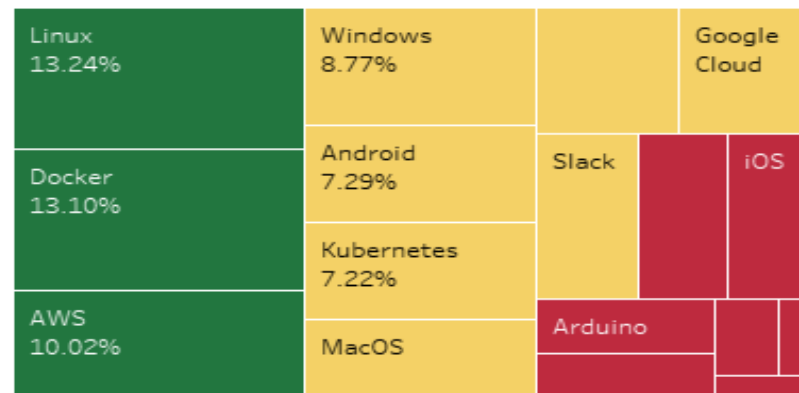
Language Desire Next Year



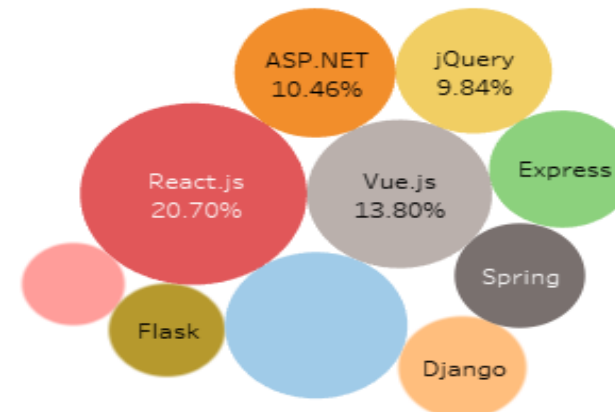
Databases Desire Next Year



Platforms Desire Next Year

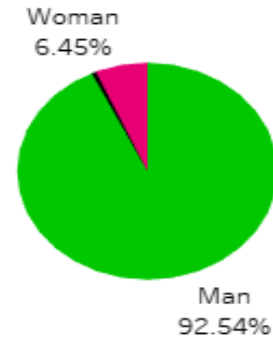


Top 10 Web Frame Desire Next Year

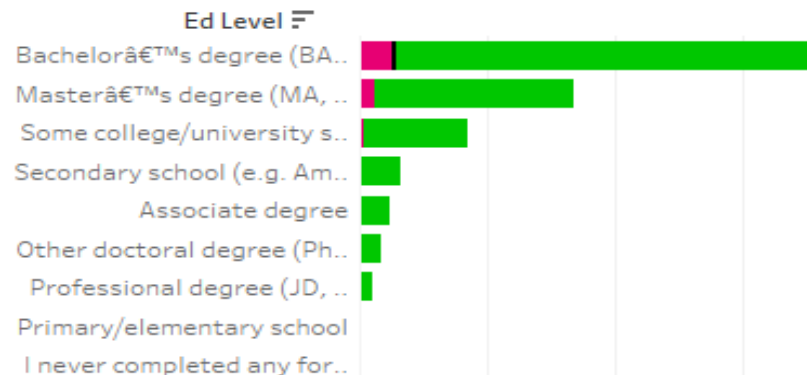


DASHBOARD TAB 3

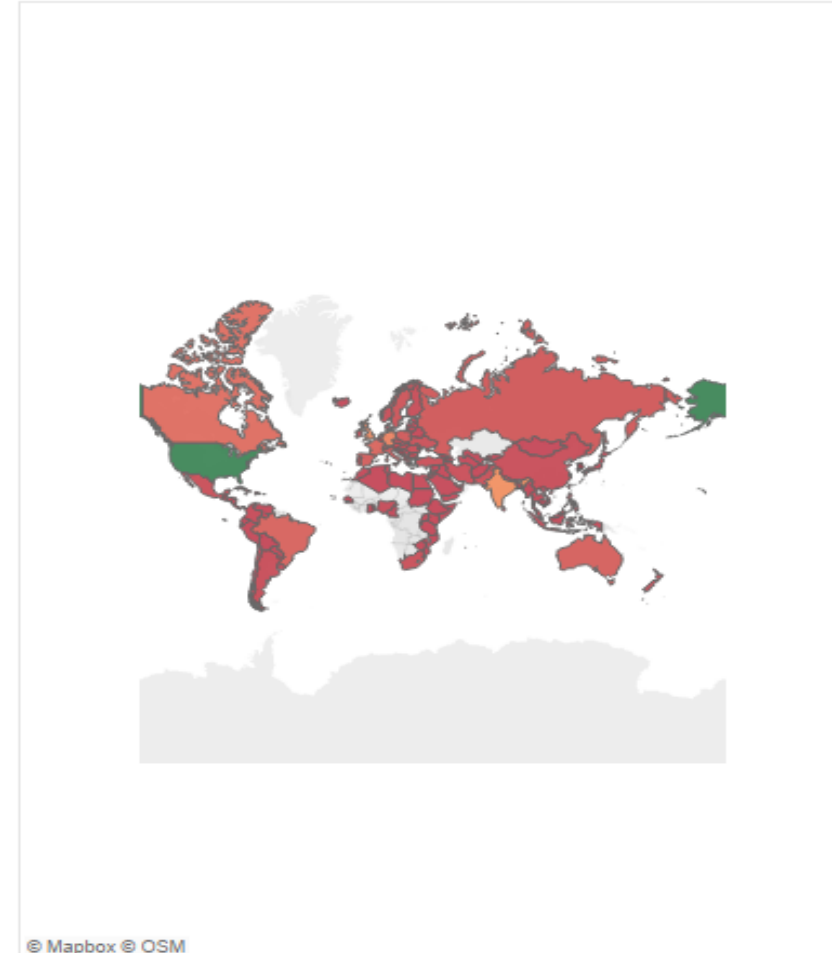
Respondent classified by Gender



Respondent Count by Gender, Classified by Education Level



Respondent Count for Countries



DISCUSSION

- With the data we can ask ourselves what is the ethnicity of respondents

CONCLUSION

- The main platforms, languages and databases are still the most requested and desired for the near future .

