

Insights from Data Technology survey analysis

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OUTLINE



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- Metholology
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EXECUTIVE SUMMARY



- JavaScript is the most used language for work is the most desired language for upcoming years
- Python is at the 5th place as used language for work, but it's at 3rd place in the desired languages for the upcoming years, showing the increasing interest generated
- In terms of database, the situation is very dynamic and to stay on top of the current trend and new databases to ensure to remain updated
- In terms of platform Windows and Linux are the platform used for work, while in the desired ones we can find also Docker

INTRODUCTION



- Dataset used comes from the following source: https://stackoverflow.blog/2019/04/09/the-2019-stack-overflow-developer-survey-results-are-in
- Dataset have been cleaned and nomilized

METHODOLOGY



- We uploaded the dataset in Capstone
- Created 2 pages: the first one with a snapshot of the current situation and the second one with the desired languages, database, Platforms and webfraim
- We showed the results using Bars charts, Column charts,
 World Cloud, Hierarchy Bubble chart and Treemap
- Final report has been uploaded in Github

RESULTS

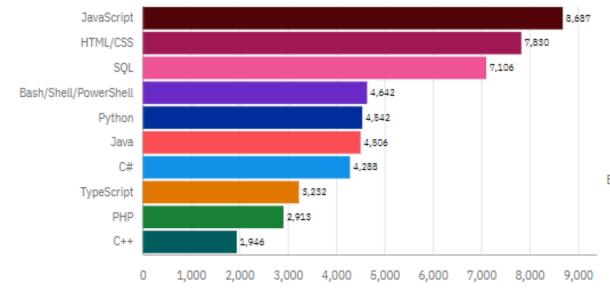


PROGRAMMING LANGUAGE TRENDS

Current Year

Top 10 Languages currently used for work

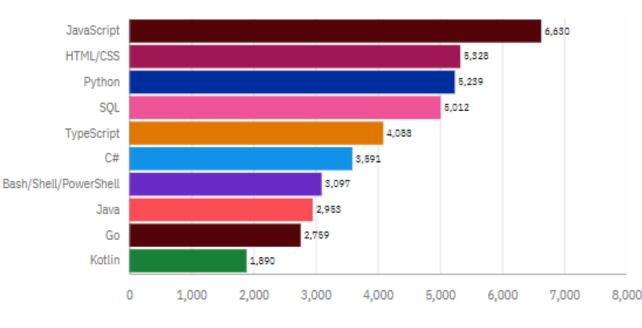
Script



Count (Count)

Next Year

Top 10 Languages desired



Count (Count)

₽ :0

PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- JavaScript and HTML are the top program languages used and the top program desired
- Python is at the 5th place and it will be at 3rd
- Typescrip moves from 8th place to the 5th place
- PHP and C++ will leave the top 10 ranking for Go and Kotlin

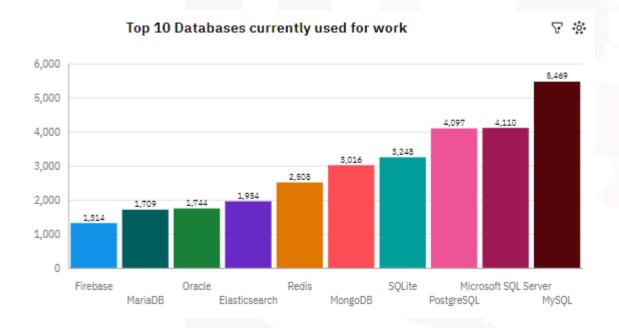
Implications

- JavaScript and HTML are important and they will continue to be used in the long terms
- Python is the programming language gaining important and where to focus.
- Other interesting programming languages are: Typescript, Go and Kotlin are

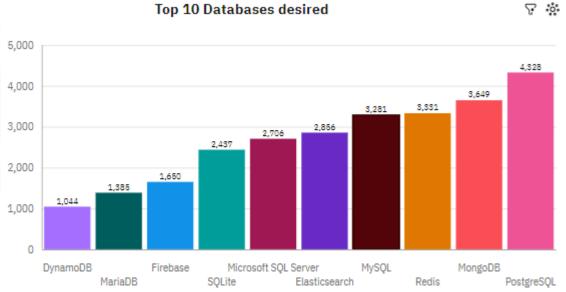


DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS -

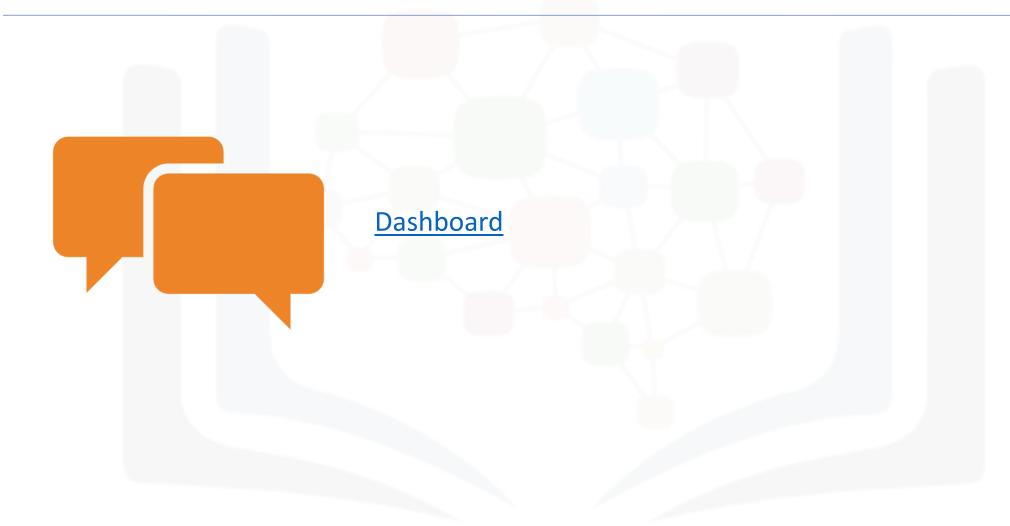
Findings

- MySQL moves from the current 1st place to 4th place
- Postgre moves from the current
 3rd place to 1st place
- MongoDB moves from the current 5th place to 2nd place

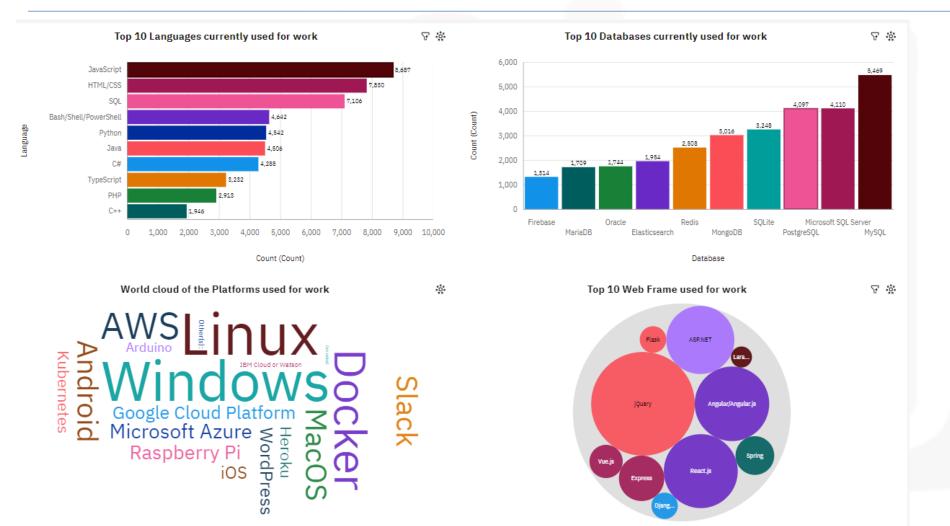
Implications

- Market is very dynamic: the importance of database is changing significantly
- It's necessary to stay on top of the current trend and new databases to ensure to remain updated

DASHBOARD



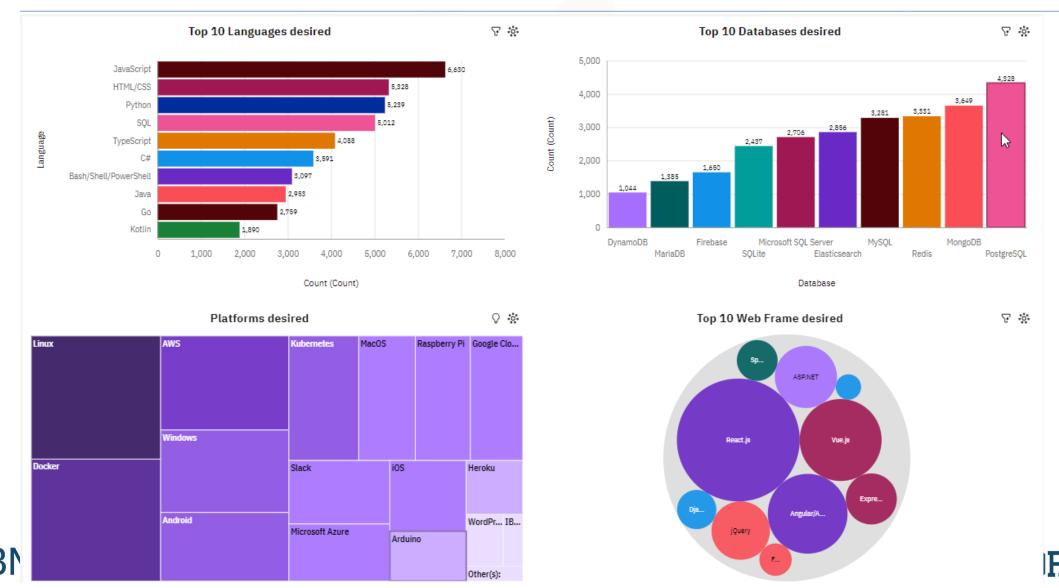
DASHBOARD TAB 1





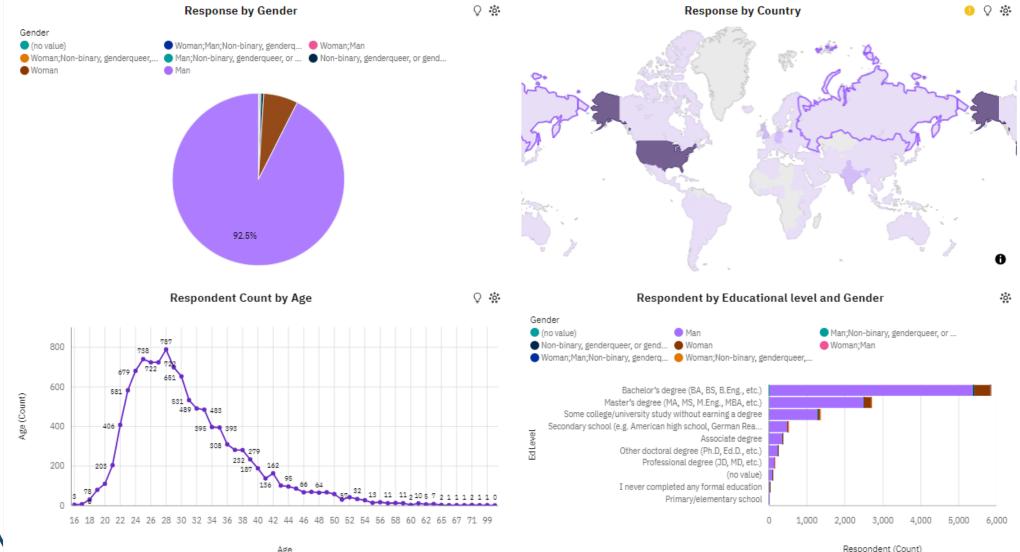


DASHBOARD TAB 2





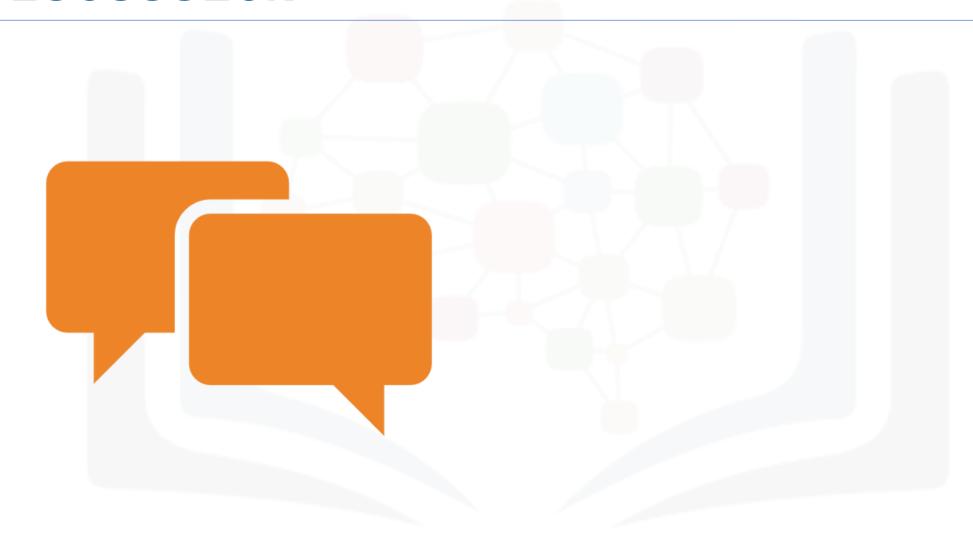
DASHBOARD TAB 3







DISCUSSION



OVERALL FINDINGS & IMPLICATIONS

Findings

 Vast majority (above 90%) of respondents are male from US between 22 and 34 years old with a bachelor or master degree

Implications

 D&I not respected in this survey, it's necessary to understand if the results could be distorted by this

CONCLUSION



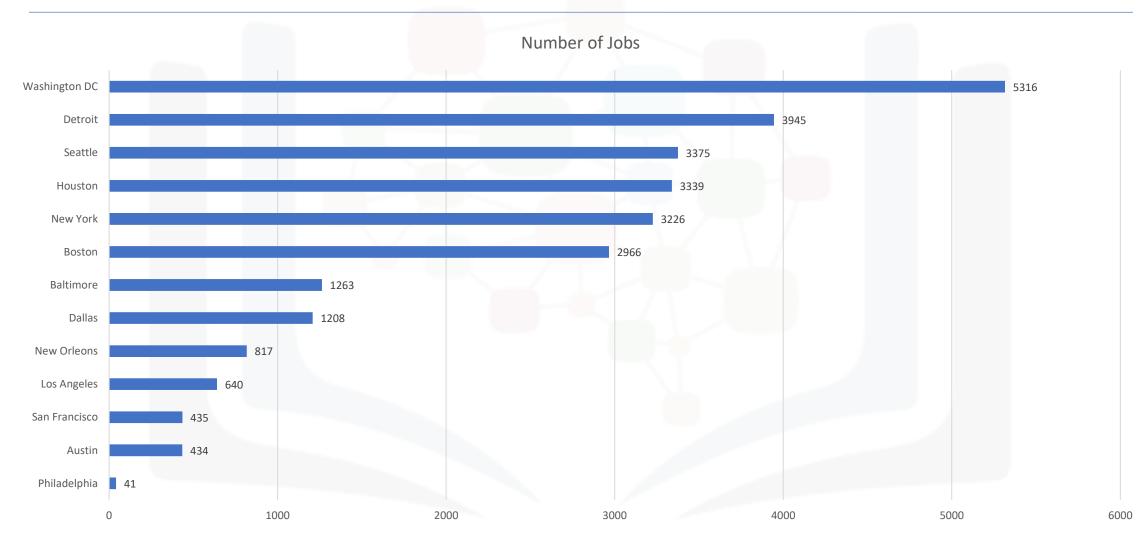
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APPENDIX



 Include any relevant additional charts, or tables that you may have created during the analysis phase.

JOB POSTINGS







POPULAR LANGUAGES



IBM Devcloper

SKILLS NETWORKS LEDED