

DUTLINE



Developer

XECUTIVE SUMMARY



- Many new grads and self-learners interested in tech careers are constantly wondering which technology should they learn.
- It is in indeed crucial to know which language, database or web framework to investigate.
 - This can be time saving for individual contributors
 - Companies can also anticipate internal knowledge traning strategy.
- Investing in professional survey data can give us a clear vision about this subject.
- The Dataset used in this project is a subset of Stack Overflow data with a dempgraphics csv and a tech survey csv.
- We provide a dashboard to offer an intuitive insight for technology trend opinion.

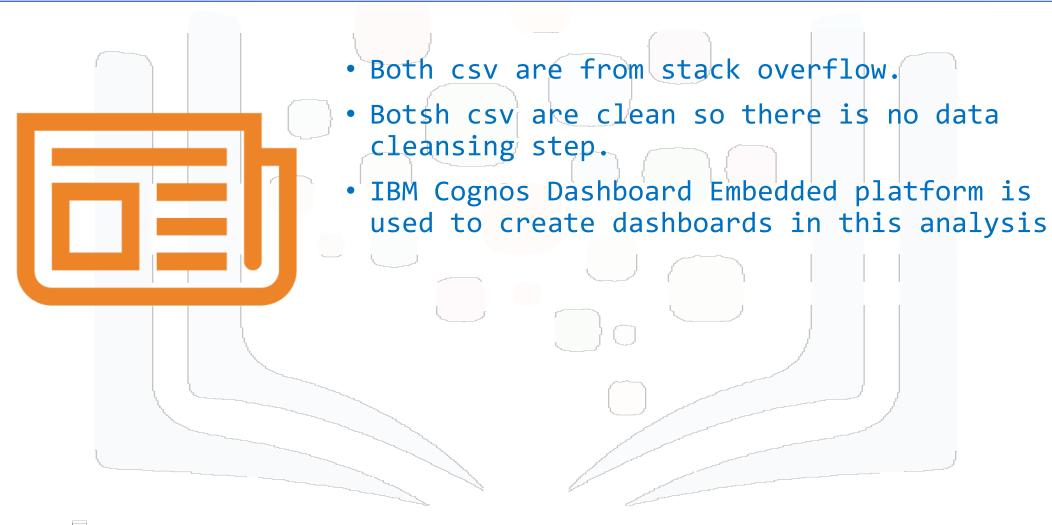
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INTRODUCTION



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1ETHODOLOGY



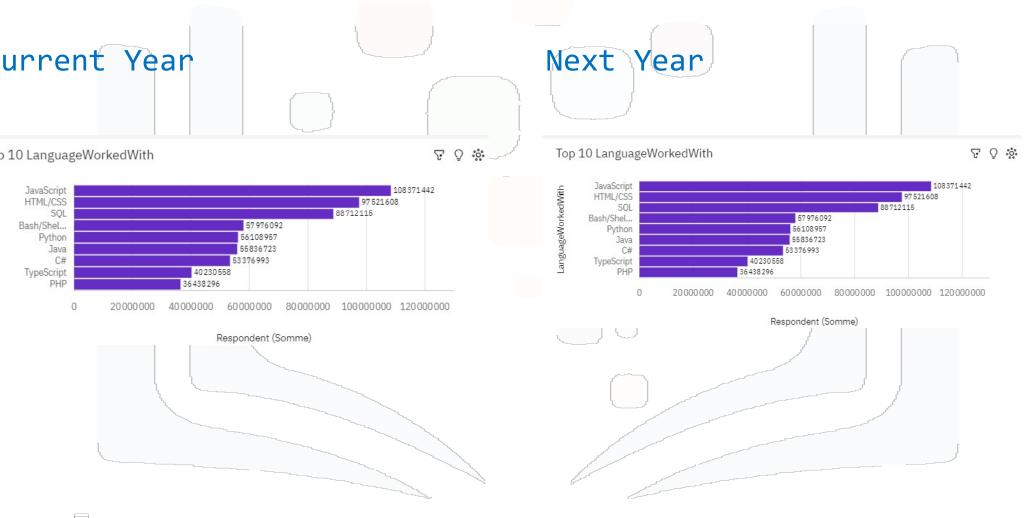
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RESULTS



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PROGRAMMING LANGUAGE TRENDS



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ROGRAMMING LANGUAGE TRENDS - FINDINGS & MPLICATIONS

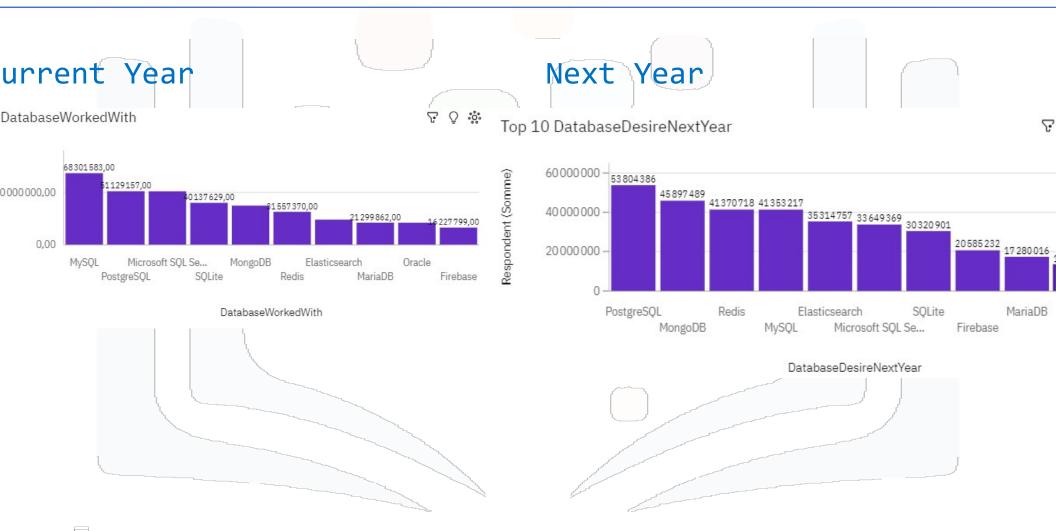
Python's popularity is progressing
PHP is declining
Javascript and sql stays top 3 popular languages

Implications

- As a data analyst, learning Python, sql is crucial.
- Front-end technology needs is slightly in declin.
- Investing in PHP is not a good idea for developers.

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DATABASE TRENDS



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DATABASE TRENDS - FINDINGS & IMPLICATIONS

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Postgresql replaces Mysql at the podium.

Current top 3 popular database are relational database whereas for future the 2/3 are non-relational database.

Oracle is no more in the top 10 popular database system.

Implications

- We notice an emphasis on open-source relational database tool.
- Mastering at least one non-relational database is crucial for future data opportunities.
- Investing too much time or Oracle is not a good idea for future evolution.

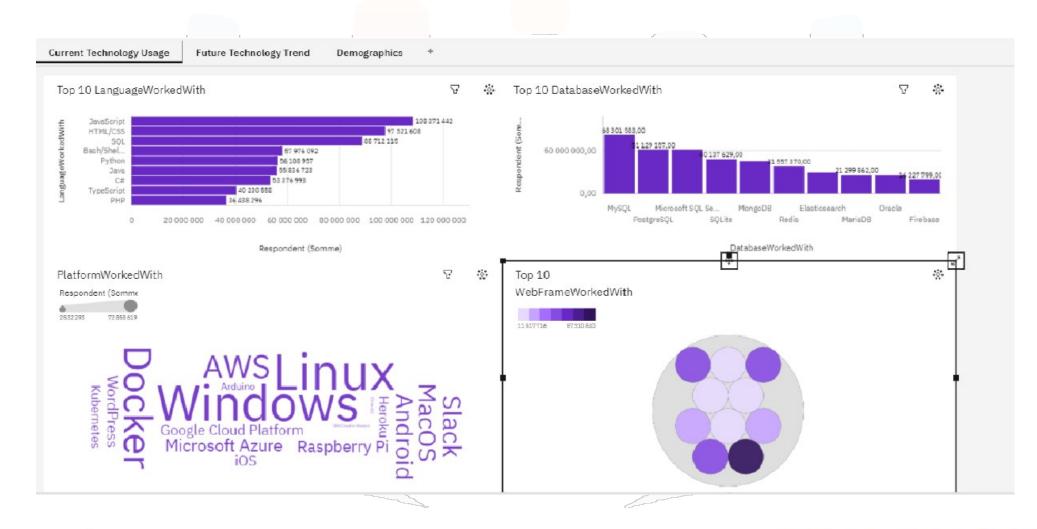
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DASHBOARD



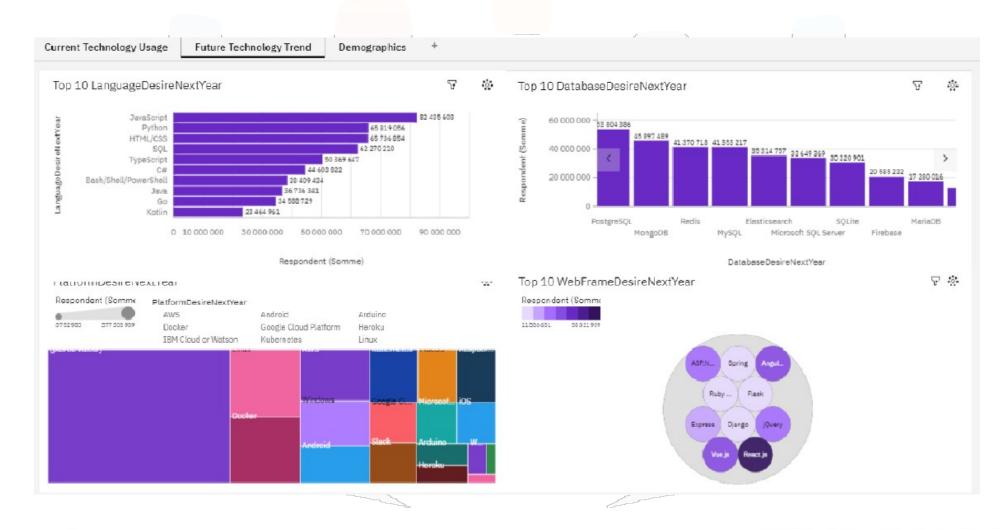
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DASHBOARD TAB 1

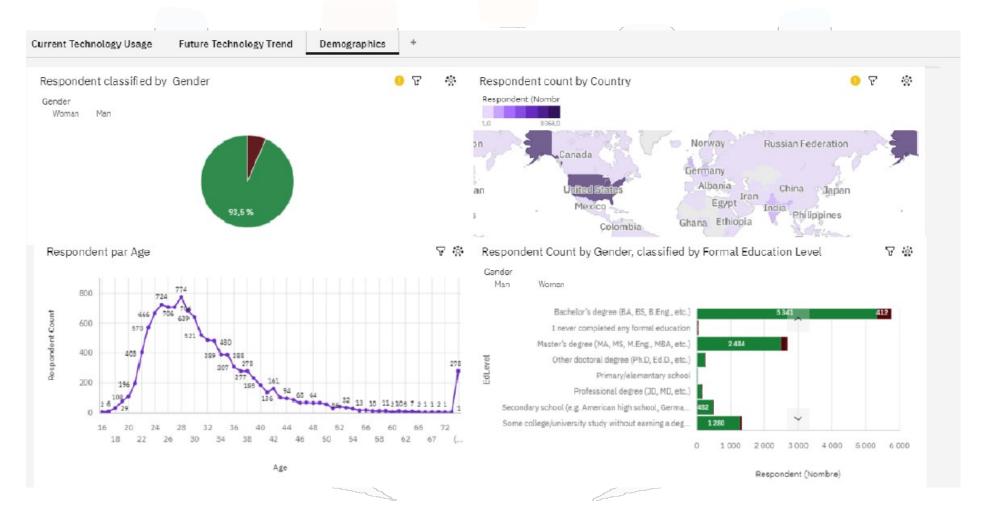


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DASHBOARD TAB 2



DASHBOARD TAB 3



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DISCUSSION



- We should identify the reason why mysql's popularity is drastically falling.
- We should also understand the reason why non-relational database is gaining so much attention.

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OVERALL FINDINGS & IMPLICATIONS

indings

Programming languges:

 Python and Javascript continue to be the most wanted skills.

Database:

• Postgresql, MongoDB, Redis and ElasticResearch are gaining attention.

Platform:

- Linux, AWS, Docker remain the most popular.
- Windows and Slack are falling form the podium.

Web Framwork:

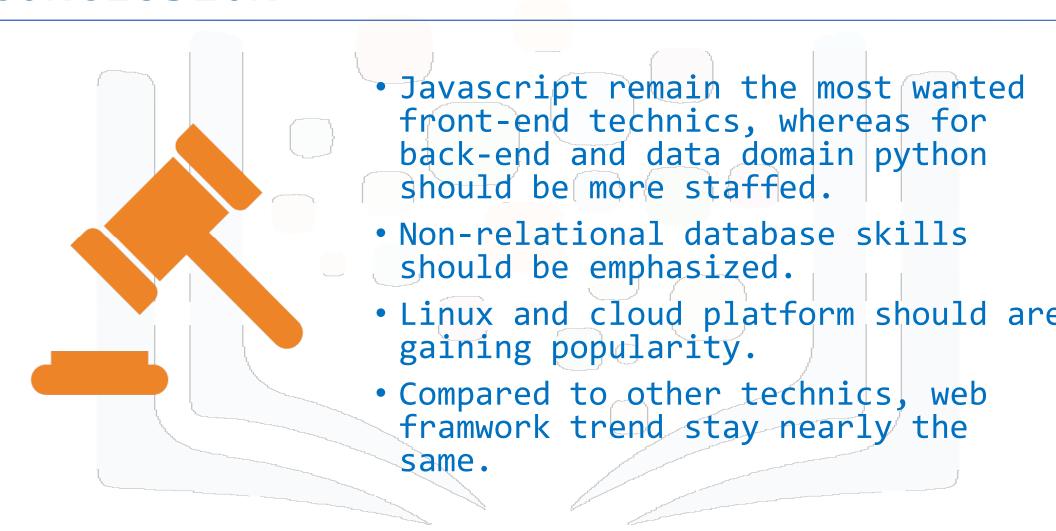
 Vue.js is gaining position but React.js remain very importand.

Implications

- Continue to staff and gain knowloedge on javascript and python.
- No-SQL and open-source sql techniques should be more focused on.
- Cloud, big data technics should continue to be investigated.
- Web Frameworks remain smooth as trend.

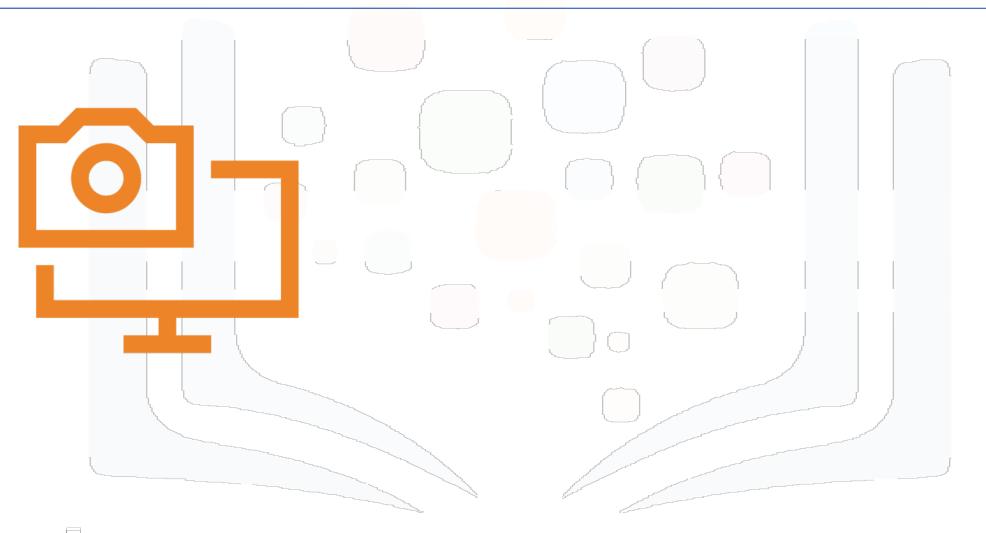


CONCLUSION



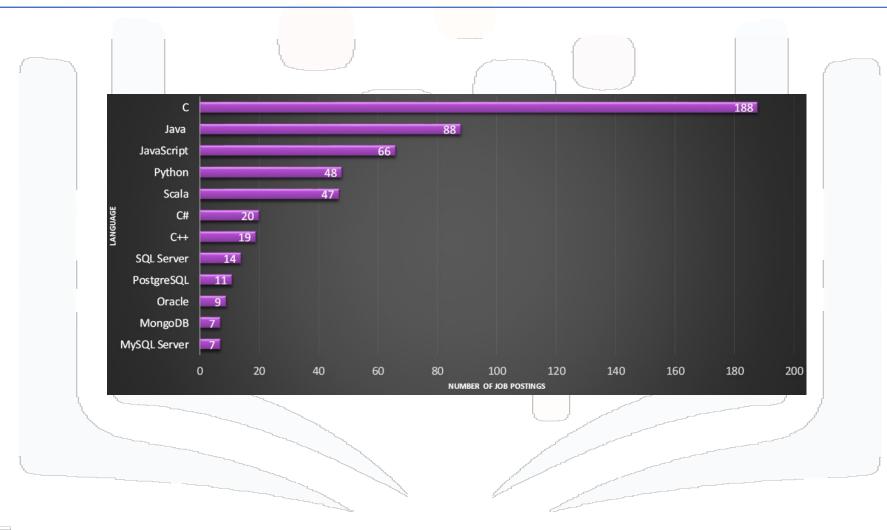
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APPENDIX



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JOB POSTINGS





PULAR LANGUAGES

