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O1 EXCUTIVE SUMMARY

Trends in Programming Languages and Database.

- Demographics Survey.
- Technological Gap in Countries.
- Gender Gap in Jobs.





OZ INTRODUCTION

This Report about SW methodolgies Analysis And after reading it you can:

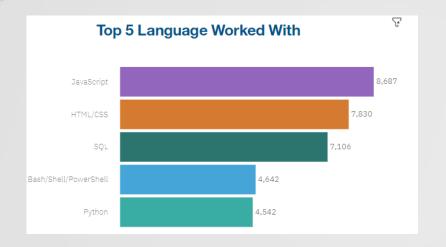
- Identify skillsets required for the future.
- What are the top programming languages in demand?
- What are the top database skills in demand?
- What are the popular IDEs?

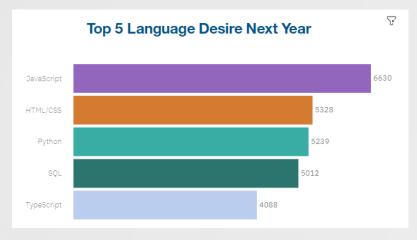














PROGRAMMING LANGUAGE TRENDS



FINDINGS

- JavaScript, HTML/CSS, SQL are top 3 this year.
- Python and Typescript becoming popular next year.
- PowerShell edged out in next year.

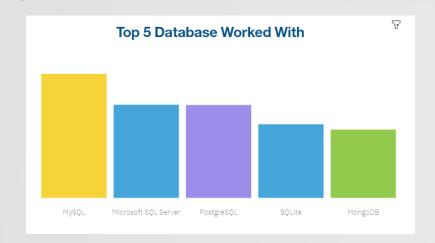
IMPILCATIONS

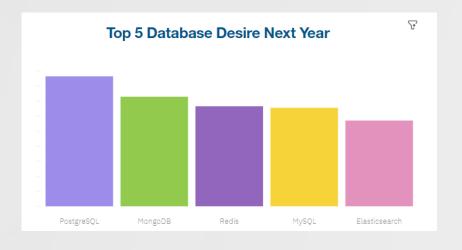
- Web development are still in high demand.
- Big Data technology in companies still requires SQL.
- With AI and ML in rising demand, Python is best choice.

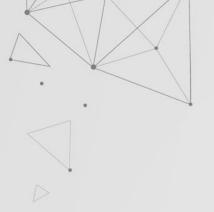


DATABASE TRENDS









DATABASE TRENDS



FINDINGS

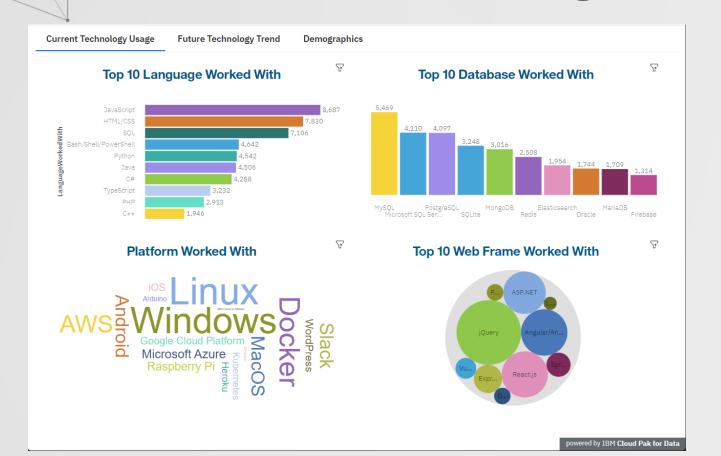
- MySQL is the most popular database
- There are still a lot of companies using Microsoft SQL Server.
- MongoDB and Redis are the most favorable NoSQL.
- Elasticsearch is rapidly rising in popularity.

IMPILCATIONS

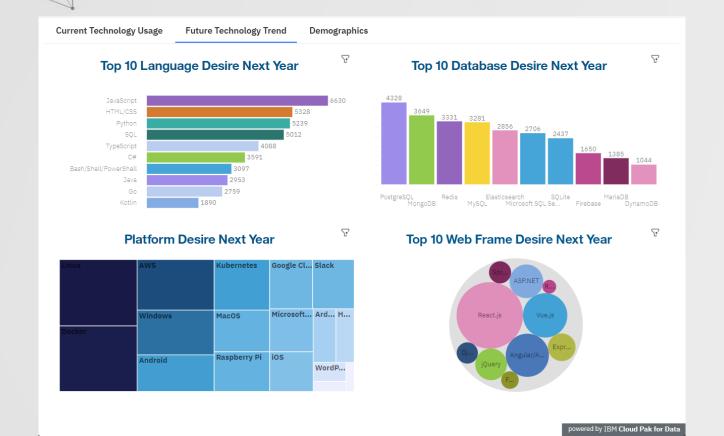
- Open-source databases like MySQL are still preferable.
- Software development and Big Data technology still requires SQL.
- NoSQL databases will make an impact for relational databases.



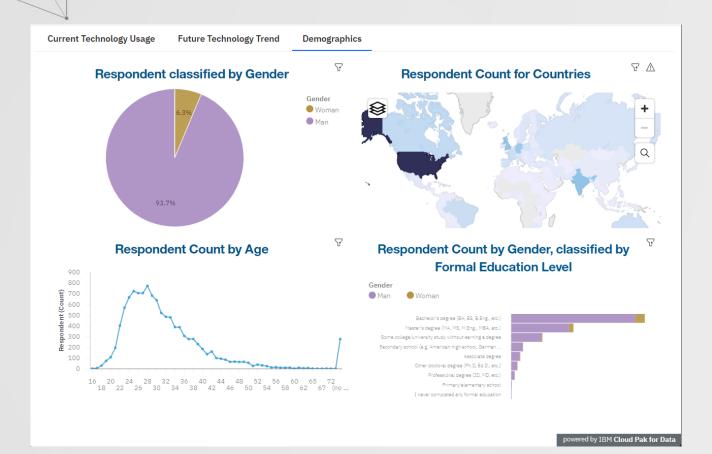
DASHBOARD | Current Tech Usage



DASHBOARD | Future Tech Trend



DASHBOARD | Demographics





05 DISCUSSION

- Technology Trends now and future.
- Training and Reskilling workers
- Inclusivity and accessibility in Technology field.
- Bridge divide of technology gaps in developing countries.
- Eliminate age and education discrimination in employment.



OVERALL FINDINGS & IMPLICATIONS



- Fast changing technology every year.
- Concentration on several countries like USA and India.
- Gender gap in technology jobs.
- Platforms like Docker and AWS are growing.

IMPILCATIONS

- Companies need to be flexible and adjust to rapid changes.
- Need to spread technology out to lagging countries.
- The technology field needs to become more inclusive.
- Shift to faster app deployments and cloud services in future.

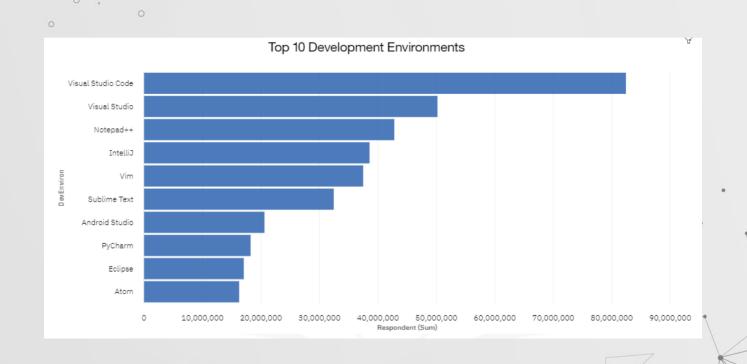


06 DISCUSSION

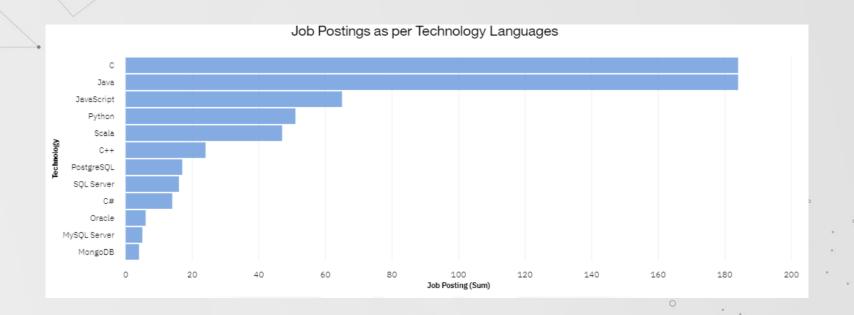
- Technology Trends for current and next year.
- Programming Languages, Database and Platform overview.
- Demographics overview.
- Actions to be taken.
- In future, incorporate Machine Learning to predict trends and salaries.



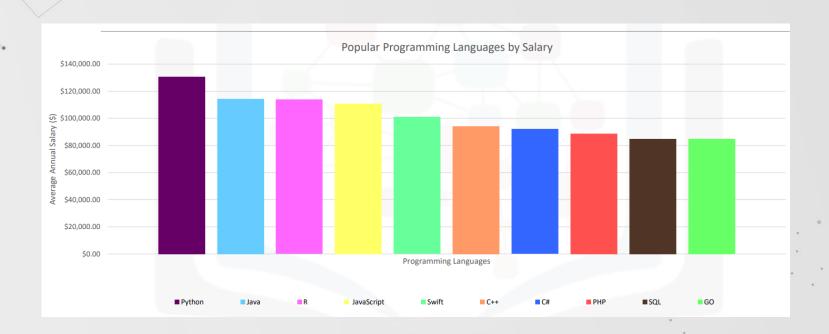
DEVELOPMENT ENVIRONMENTS



JOP POSTING



POPULAR LANGUAGES by SALARY





THANKS

Does anyone have any questions?

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