

Trends on Emerging Skills

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OUTLINE



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

EXECUTIVE SUMMARY



- Data gathered from various sources and cleaned successfully
- Ensure visualization was simple and understandable
- Various data supporting the trend is changing
- Many top languages are database will remain important

INTRODUCTION



- Result debrief
- Programming language trend analysis
- Database trend analysis
- Dashboard presentation
 - Data on changing trends for tech
 - Demographic data

METHODOLOGY



- Data Gathering
- Data Cleansing / Wrangling
- Visual construction
- Presentation of information
 - Observed trends
 - Suggestions based on the trends

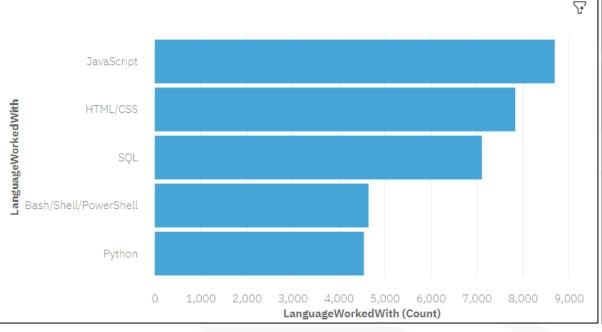
RESULTS

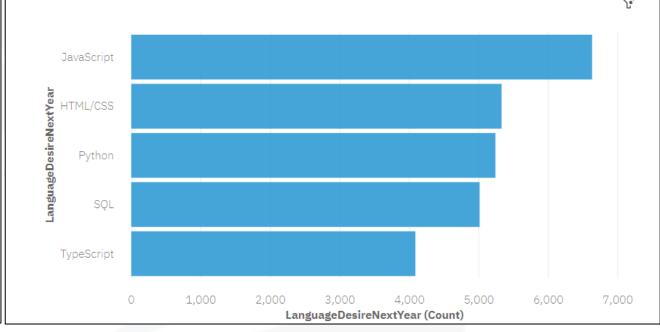
- Various shifting trend identified with the skills and services use this year and next
- Most dominate language, service, and database will remain to be important, therefore continuing improving on the current popular languages is important
- Workplace should welcome new technology, or at least make the effort to understand them

PROGRAMMING LANGUAGE TRENDS

Current Year

Next Year





PROGRAMMING LANGUAGE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

- Python is becoming increasing popular
- JavaScript remains the most prominent

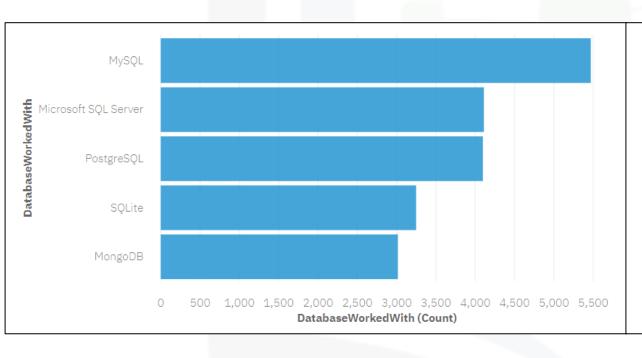
Implications

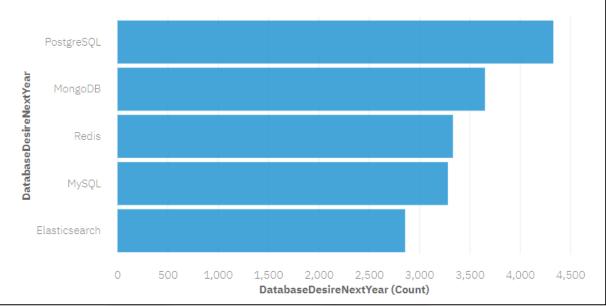
- Python is suggested for professionals that wish to improve their skills
- Should continue expanding on JavaScript knowledge

DATABASE TRENDS

Current Year







DATABASE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

- PostgreSQL is becoming more popular
- Microsoft SQL Server is becoming less prominent

Implications

- More people should know about **PostgreSQL**
- Professionals and companies should consider transfer service to other platforms

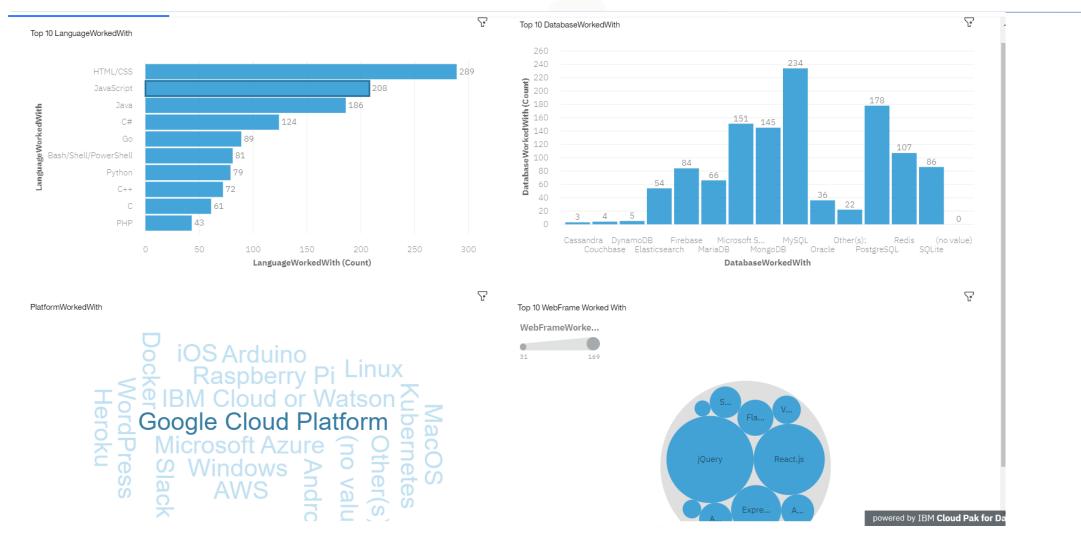
DASHBOARD



https://dataplatform.cloud.ibm.com/dashboards/c39f51f1-252f-4245-8fbd-

f64233c1f261/view/7829a30725e33c9757d1bde40798790f 7b652555b5bb870484d37b490f657397f36e1494c87b4352d d125035f3eb410d9a

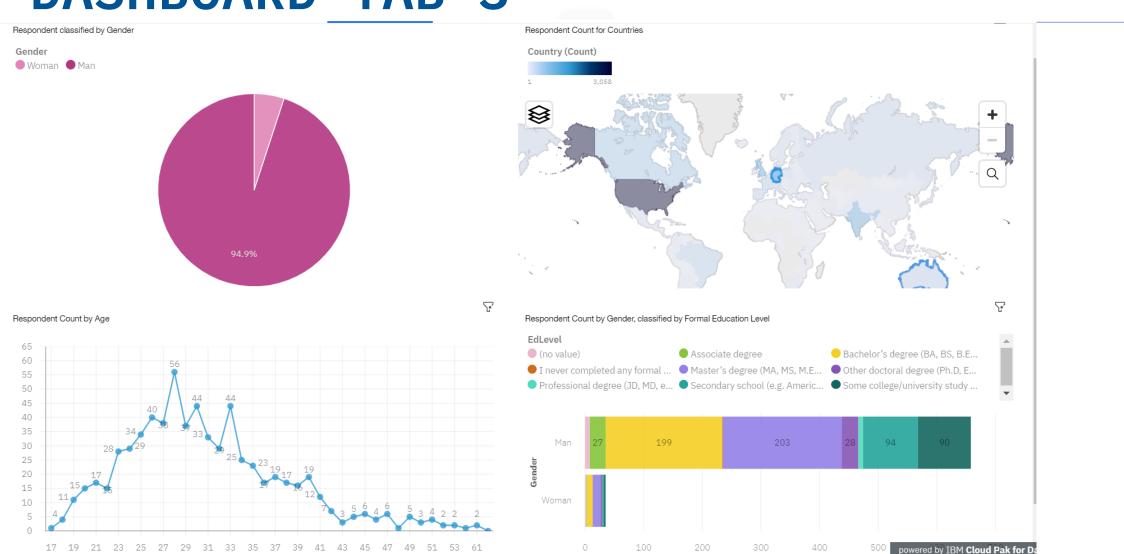
DASHBOARD TAB 1



DASHBOARD TAB 2



DASHBOARD TAB 3



IBM Developer





DISCUSSION



- How is the trend of the most desired platforms, languages, and service changing?
- Why should we care about this?
- What are the trends on demographics?

OVERALL FINDINGS & IMPLICATIONS

Findings

- JavaScript is in high demand as a desired language next year
- PostgreSQL is in high demand as a desired database next year
- Industry highly dominated by male

Implications

- The use of JavaScript overtakes that of HTML, thus suggesting people to learn it first
- Suggesting users to be familiar with PostgreSQL
- Create future opportunity to allow more female in the workforce

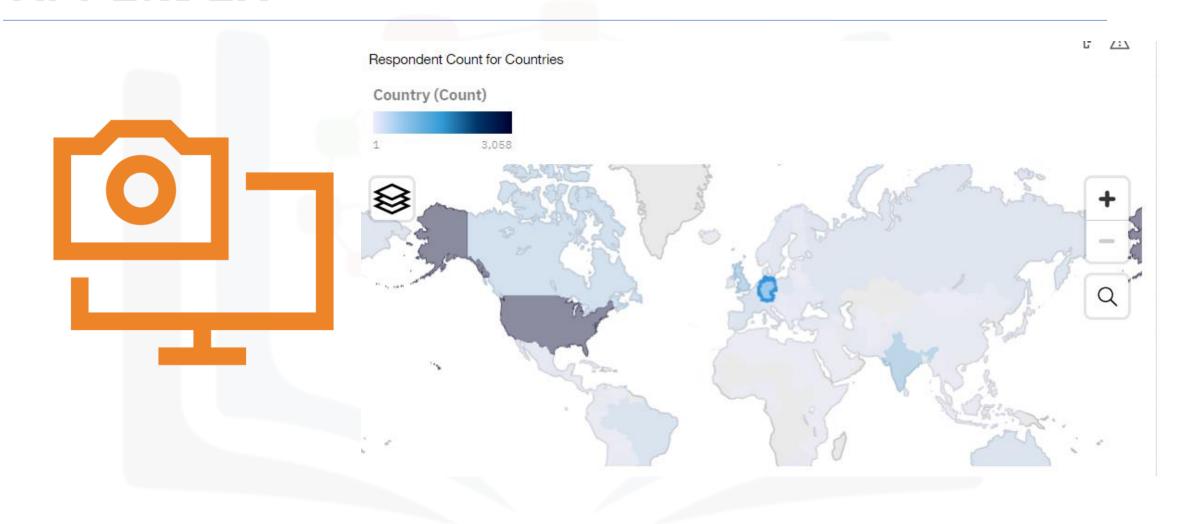


CONCLUSION

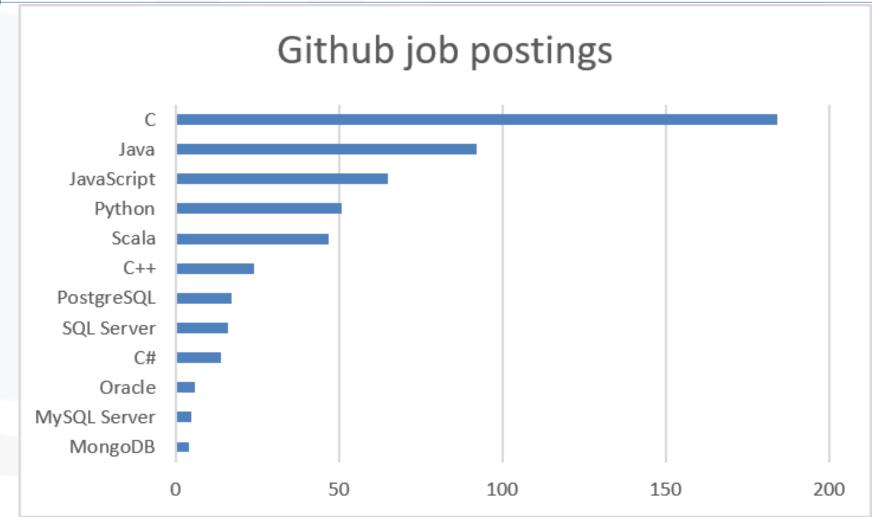


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- Ensure visualization was simple and understandable
- Various data supporting the trend is changing
- Many top languages are database will remain important
- Professionals should continue analyze trends and determined to enrich their career path

APPENDIX



GITHUB JOB POSTINGS



POPULAR LANGUAGES

