



Technology Trend Analysis Summary and Report

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OUTLINE



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

EXECUTIVE SUMMARY



This Project's Main Focus is About to Summarize

1. Current Market Technology Trend Summary

- Top Programming Language
- Top Database Language & Platforms

2. Future/Potential Trend of Tecnology

- **Top Programming Language**
- **Top Database Language & Platforms**

INTRODUCTION



In This Analysis we Use Visualization to Find Insight From the Data

We Know that World is Shifting towards Technology And Even in the Technology Field Things Move and Change Fast to Be in Top we will find

- What are the Popular Technology Market and Field
- What are the Popular Demanding Skills need to Develop
- What Are the Sentiment of the Developer and Market

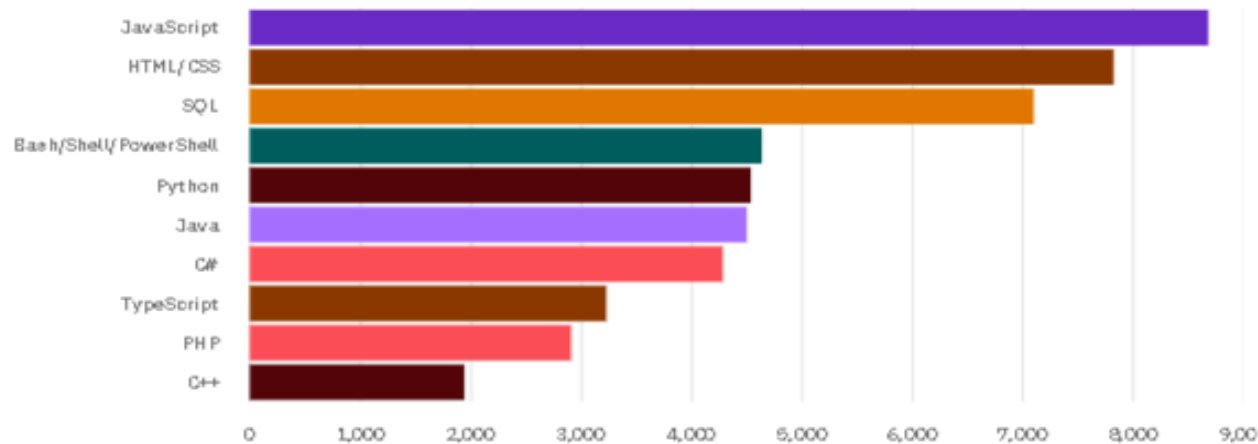
METHODOLOGY



- Data Collection
 - Api
 - Csv file
- Data Exploration
- Data Cleaning
- Data Visualization

RESULTS

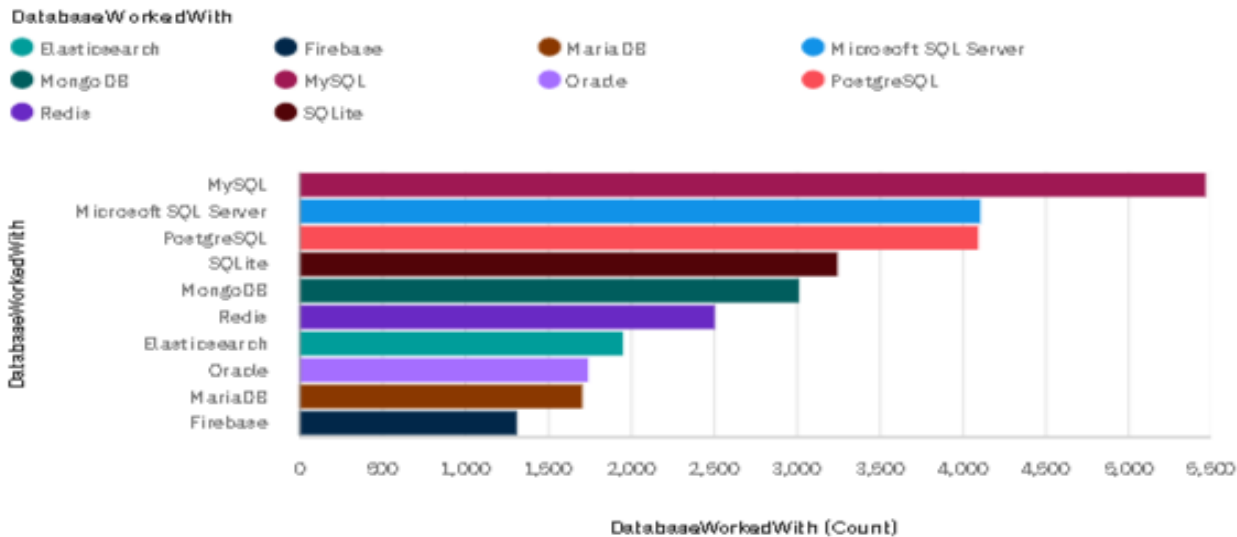
Top 10 LanguageWorkedWith



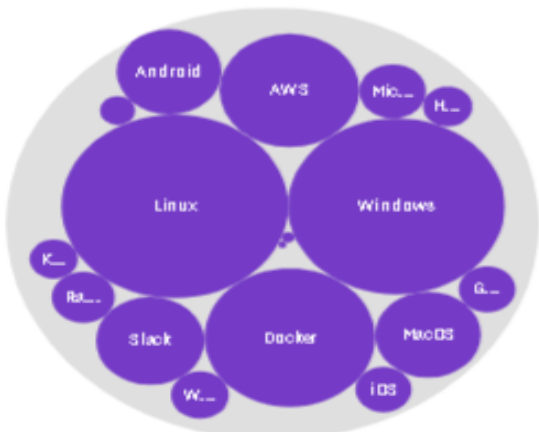
PlatformWorked Word Cloud



To 10 Database

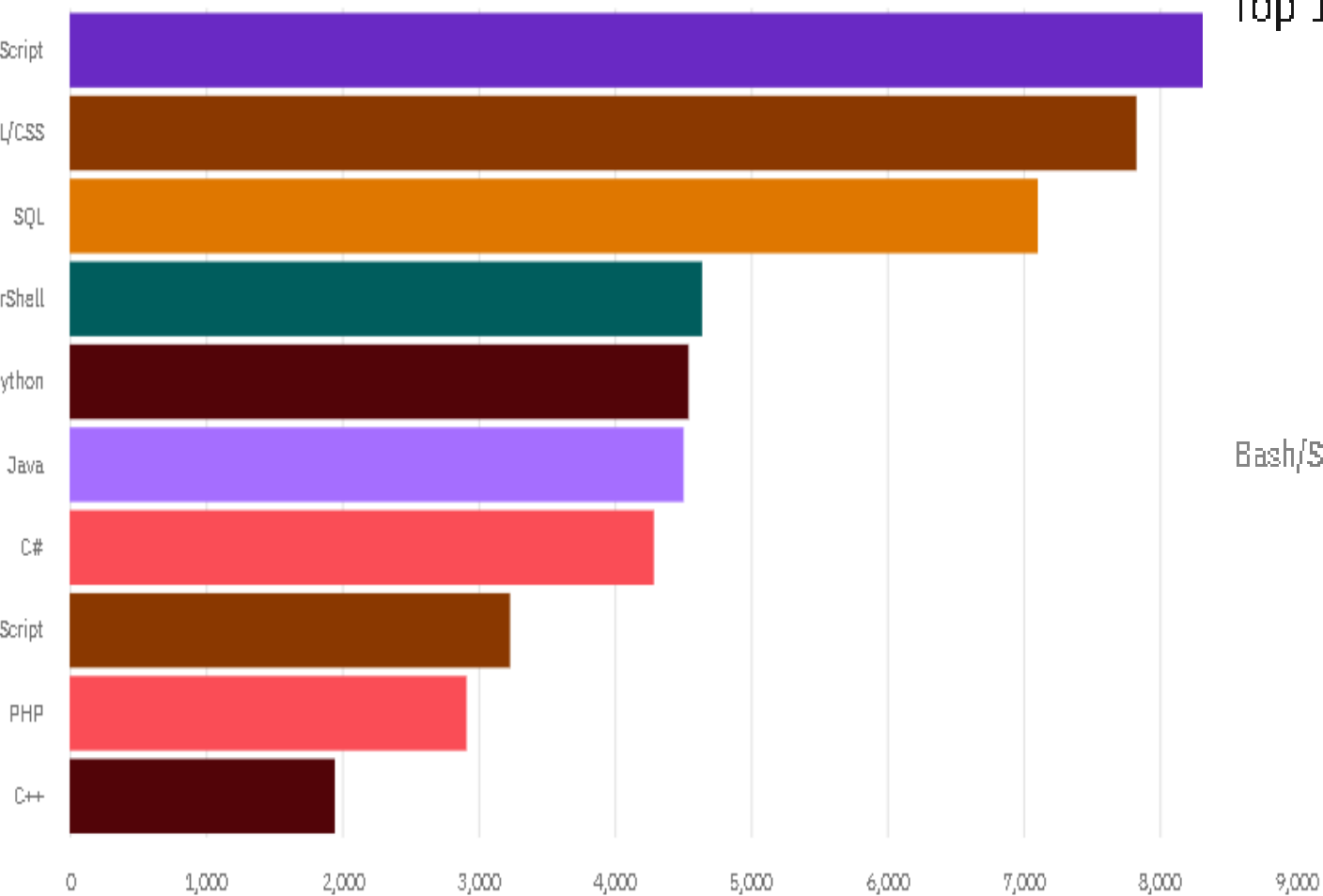


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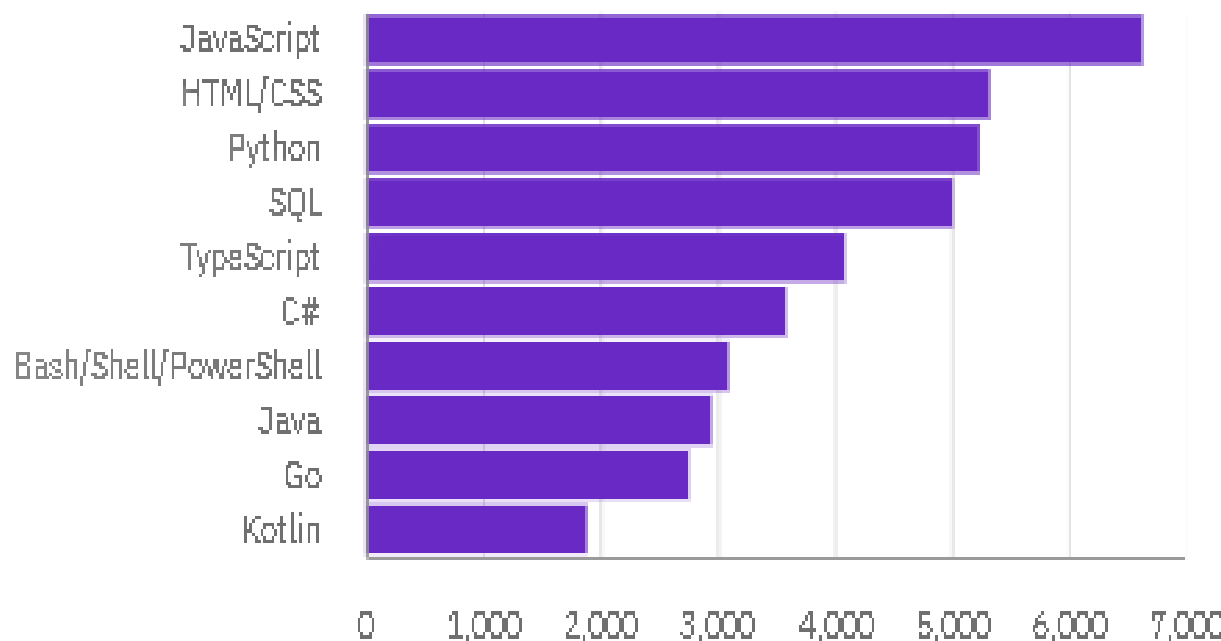
PROGRAMMING LANGUAGE TRENDS

LanguageWorkedWith



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Top 10 Language Desire Next year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

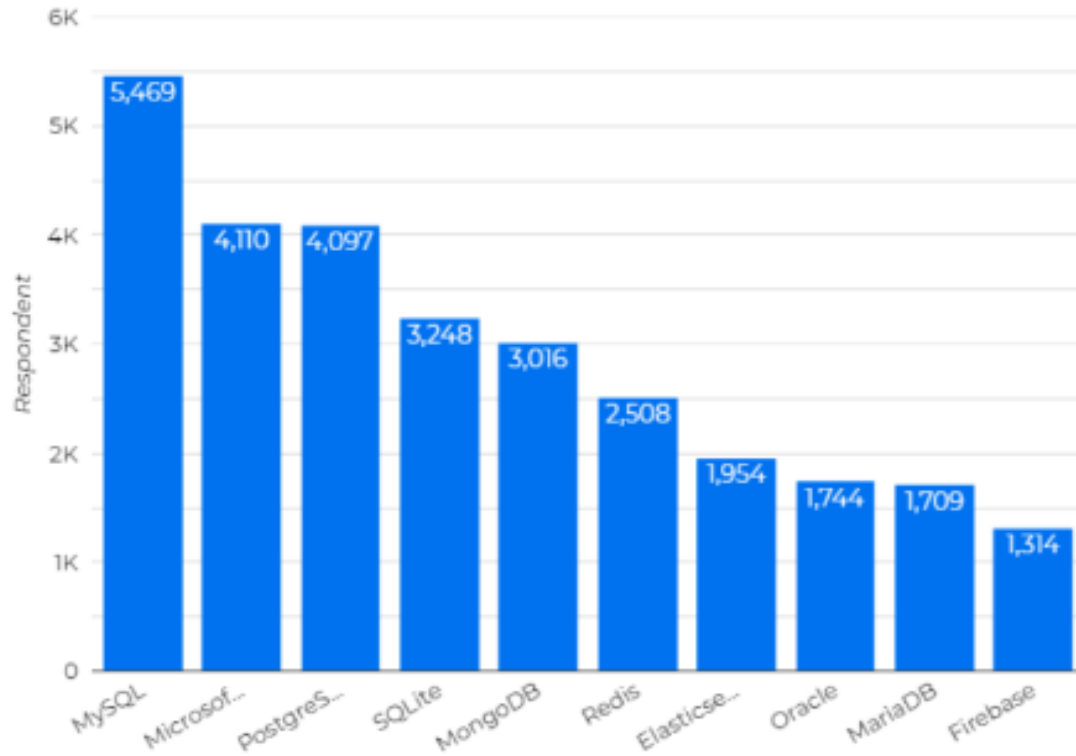
- JavaScript, HTML/CSS, SQL are top 3 this year
- Python and Typescript becoming popular next year
- PowerShell edged out in next year

Implications

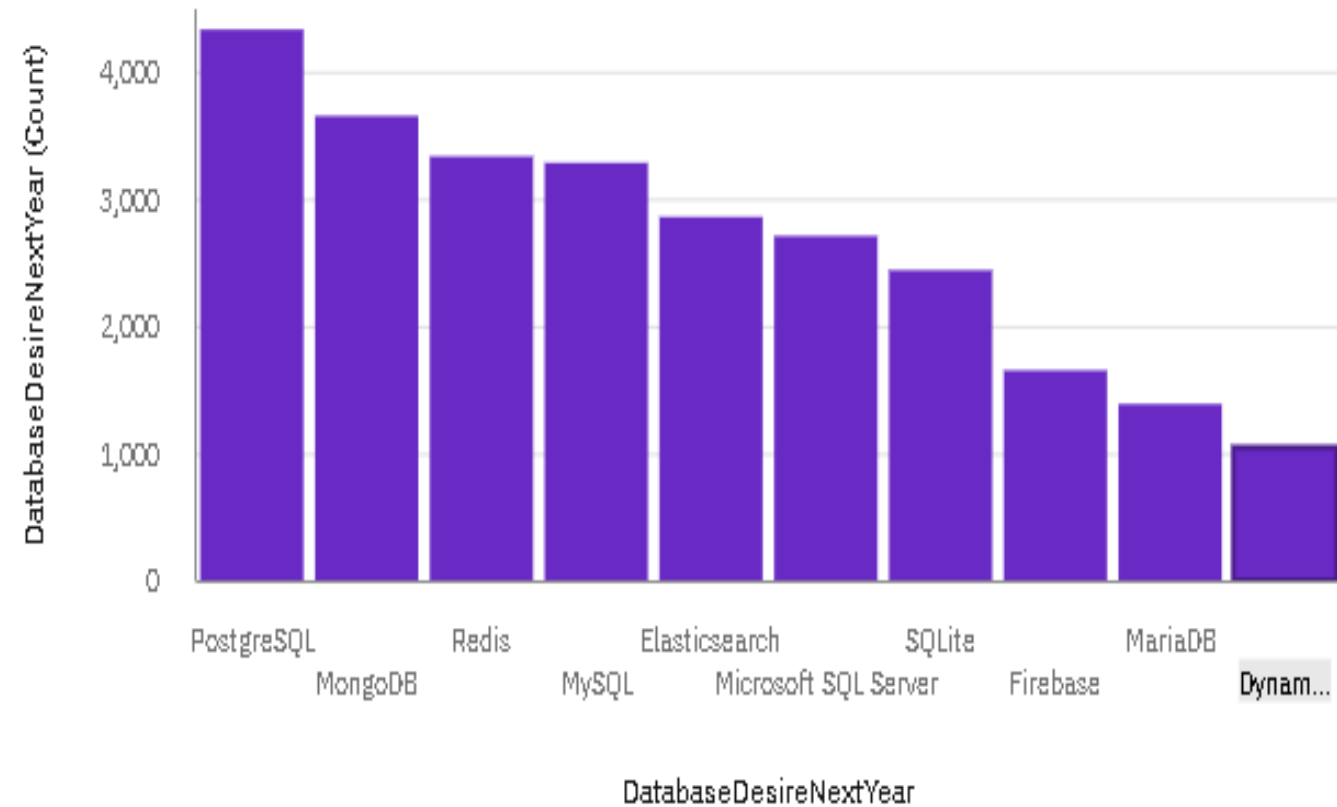
- Web development are still in high demand
- Big Data technology in companies still requires SQL
- With AI and ML in rising demand, Python is best choice

DATABASE TRENDS

Top 10 Database Worked With



Top 10 Database Desire Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySQL most popular
- Behind is Microsoft SQL
- MongoDB and Redis are upcoming favorites
- New kid on the block: Elasticsearch

Implications

- Open source databases are still preferable in companies
- NoSQL databases will make an impact for storing non relational data
- Redis supports abstract data types
- Pre tuned search to website, app, or ecommerce store

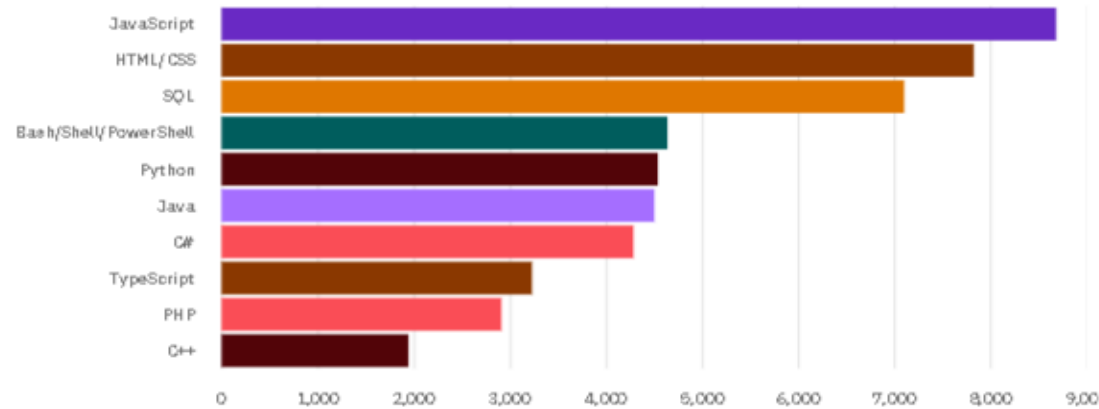
DASHBOARD



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DASHBOARD TAB 1

Top 10 LanguageWorkedWith

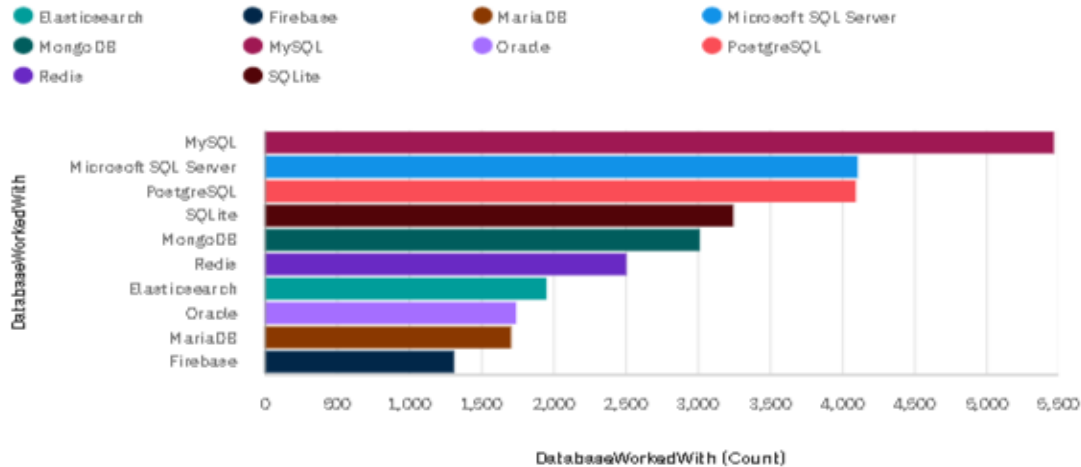


PlatformWorked Word Cloud

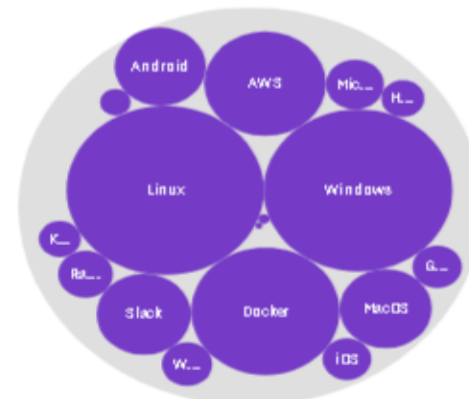


To 10 Database

DatabasesWorkedWith

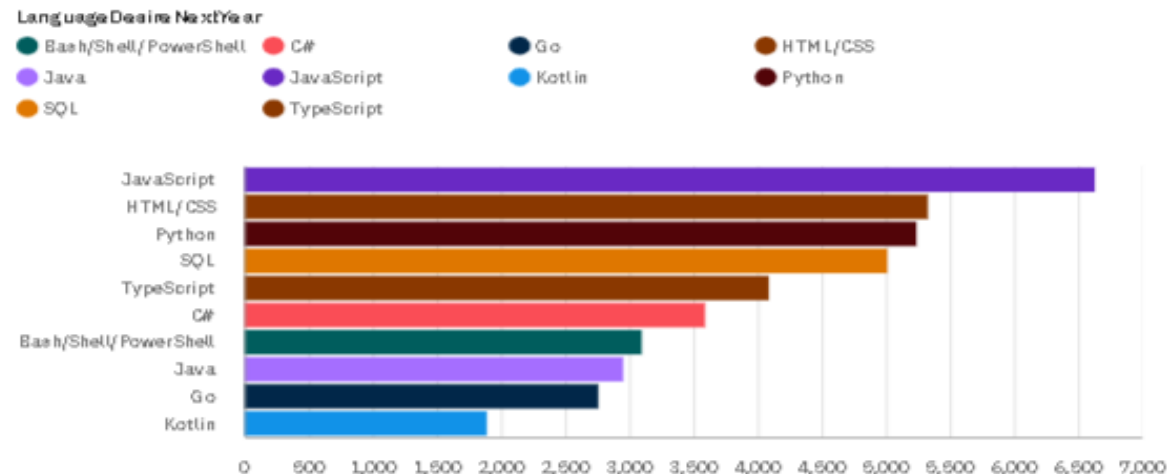


PlatformWorkedWith

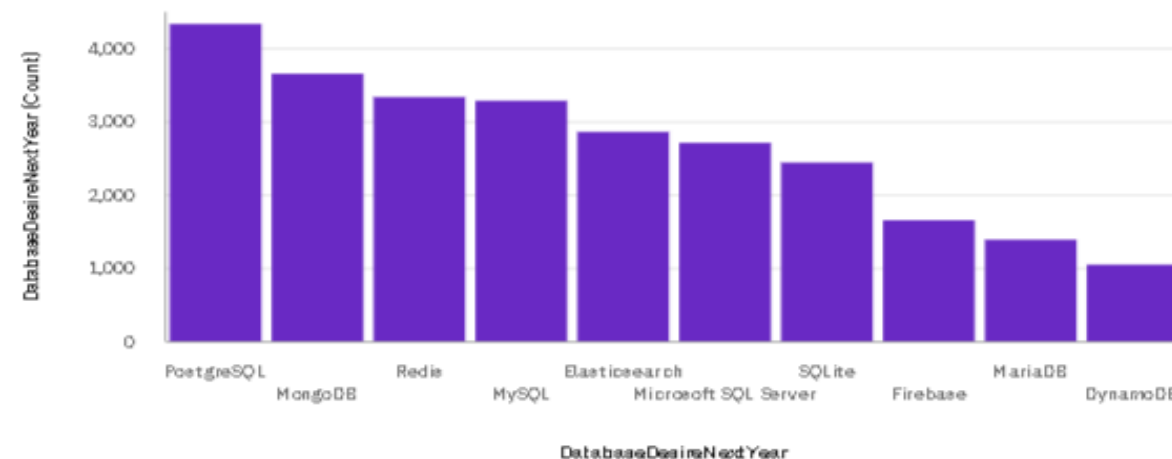


DASHBOARD TAB 2

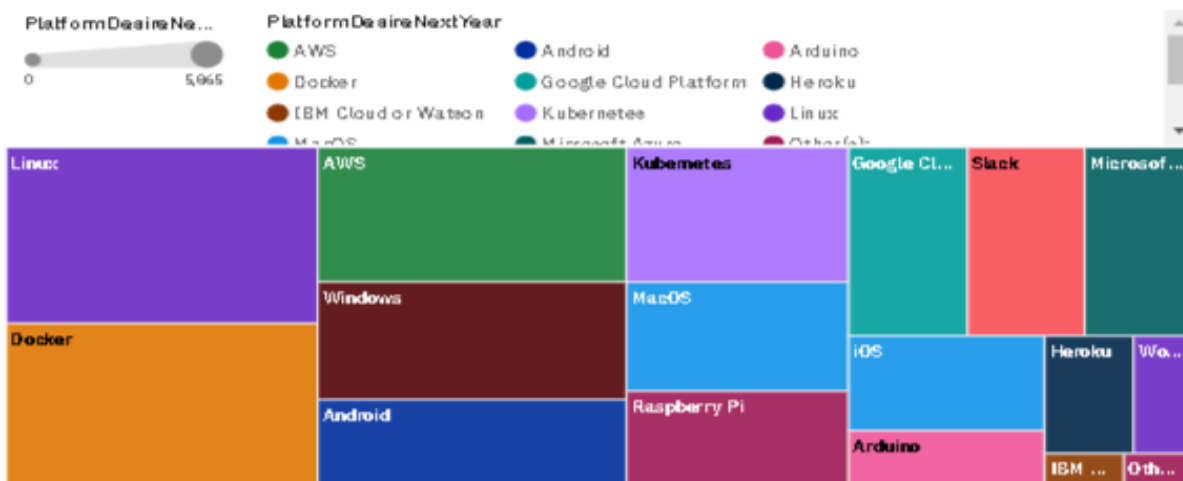
Top 10 Language



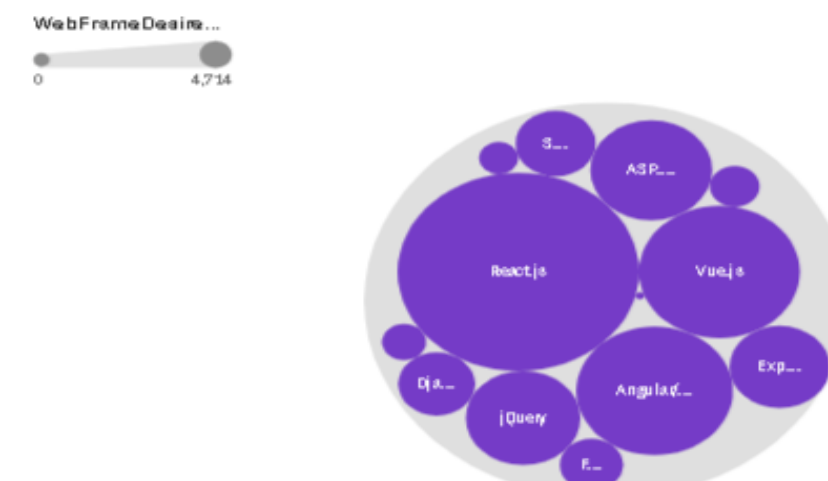
Top 10 Database



Platform Desire Next Year

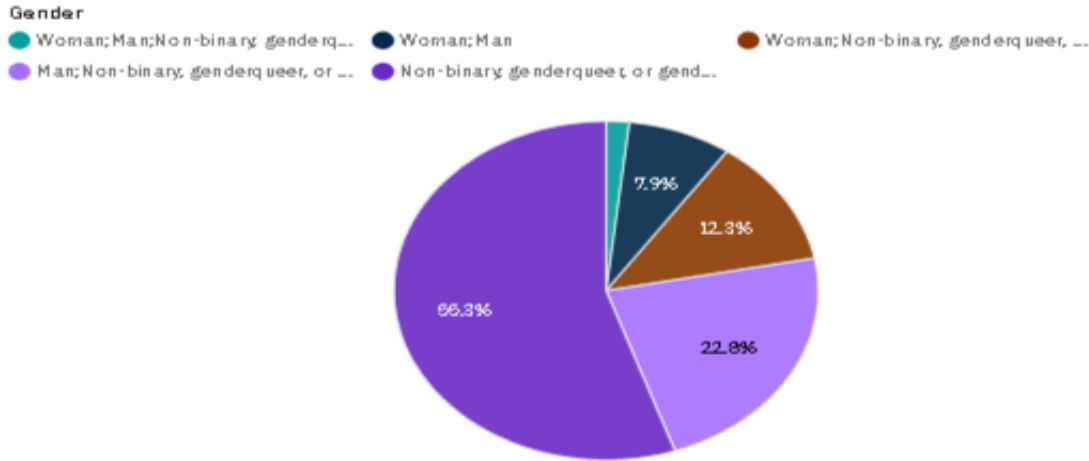


WebFrame Desire Next Year

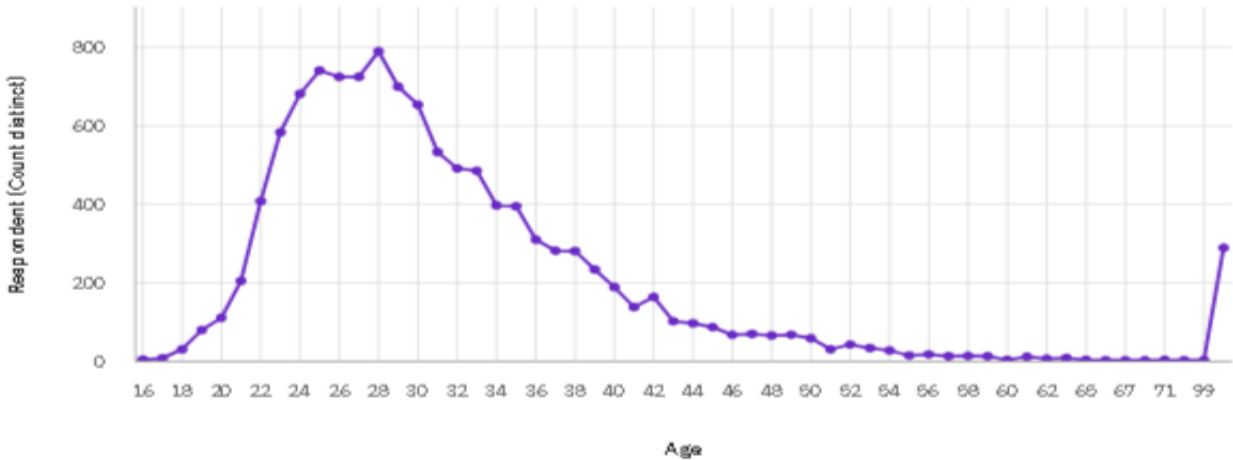


DASHBOARD TAB 3

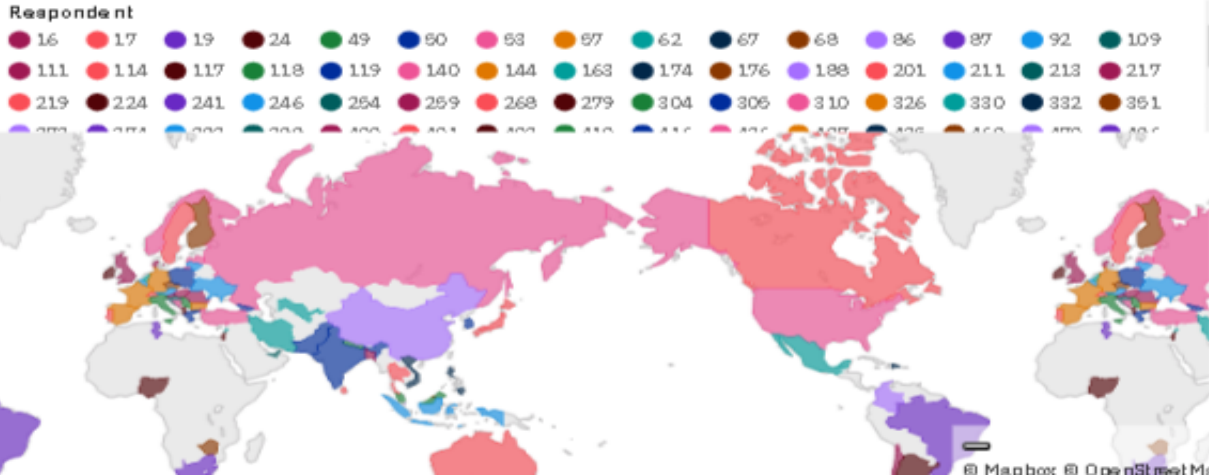
Respondent by Gender



Respondent by Age



Respondent for Country regions



Respondent by EdLevel and Gender



DISCUSSION



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

OVERALL FINDINGS & IMPLICATIONS

Findings

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

Implications

- Companies need to be flexible and adjust to rapid changes
- Need to spread technology out to lagging countries
- Impact of job hiring's
- Shift to faster app deployments and cloud services in future

CONCLUSION



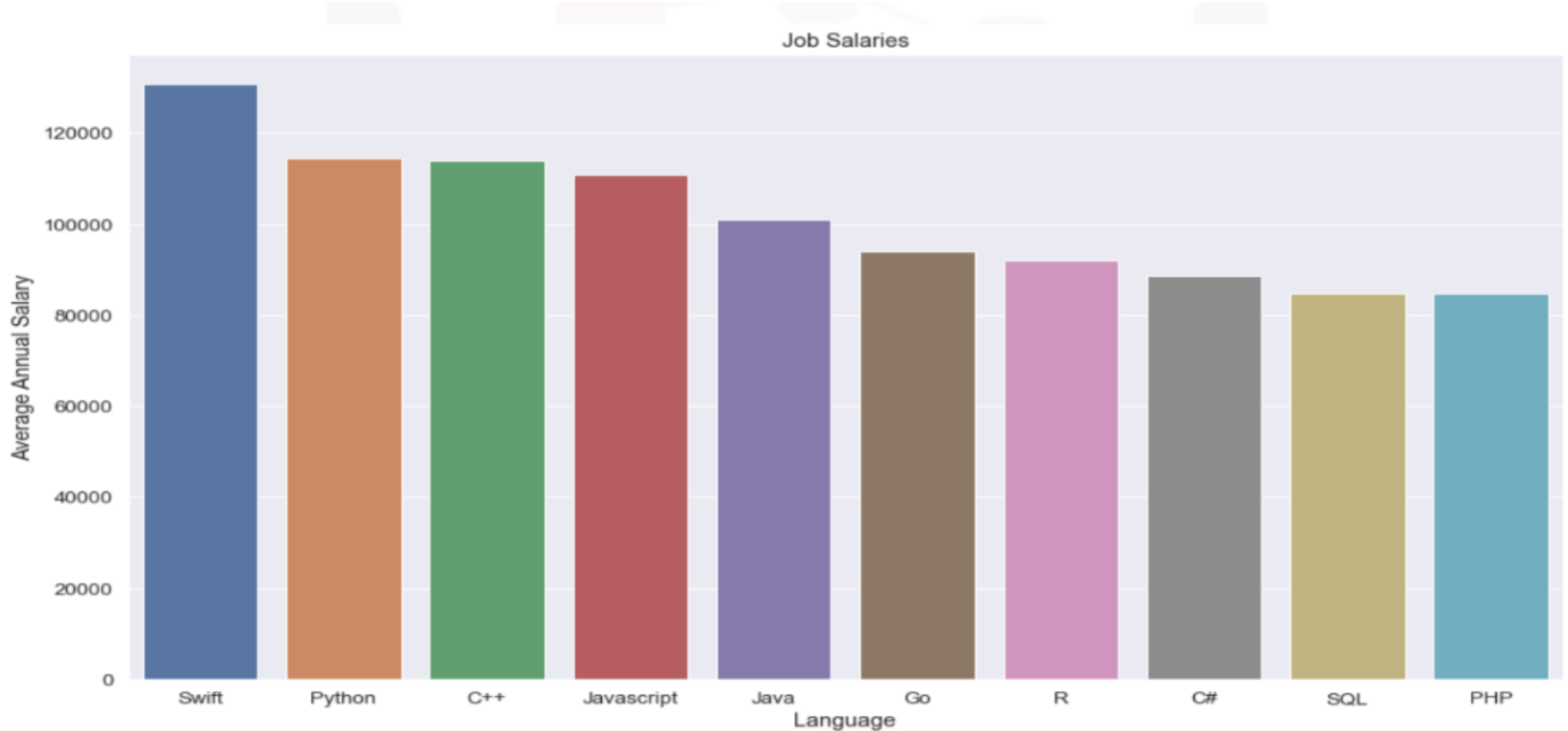
- Technology Trends for current and next year
- Programming Languages, Database and Platform overview
- Demographics overview
- Actions to be taken
- In future, incorporate Machine Learning to predict trends and salaries

APPENDIX



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

JOB POSTINGS



POPULAR LANGUAGES

