



Technology Trend

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OUTLINE



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

EXECUTIVE SUMMARY



- Current Technology Trends
- Future Technology Trends
 - Technology analysis for Next Year
 - Presented with multiple filters
- Demography
- Country wise Bifurcation of Technology

INTRODUCTION



Analyzing the Trends of Technologies in World wide

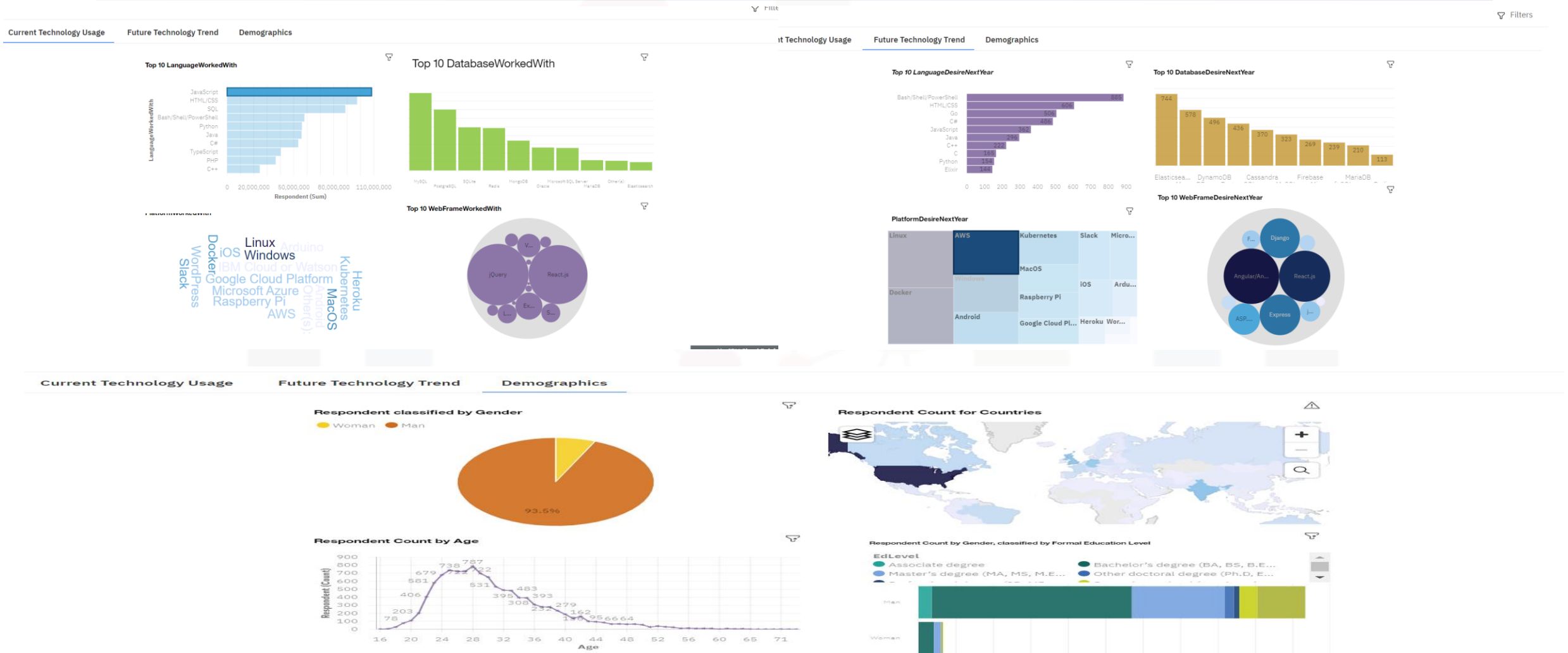
- Identify the ongoing and upcoming trends of programming languages.
- Identify the demanding web frame and OS.
- Evaluate the technologies by country wise.
- Qualification distribution by Gender.

METHODOLOGY



- DATA COLLECTION by Stack OverFlow and Github
- DATA EXPLORATION
- DATA CLEANING
- DATA VISUALISATION
- PRESENTAION

RESULTS

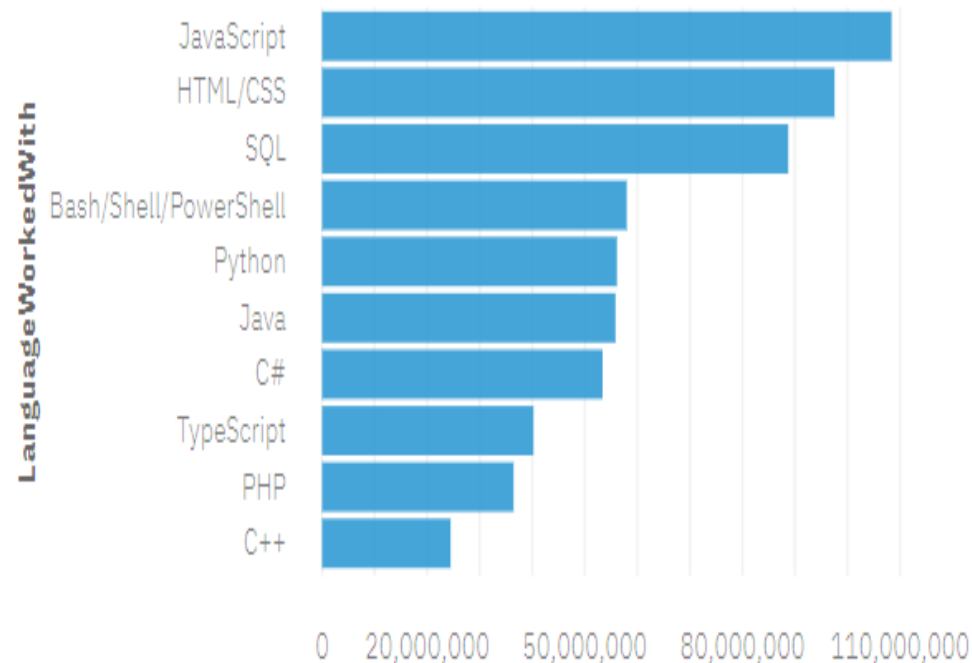


PROGRAMMING LANGUAGE TRENDS

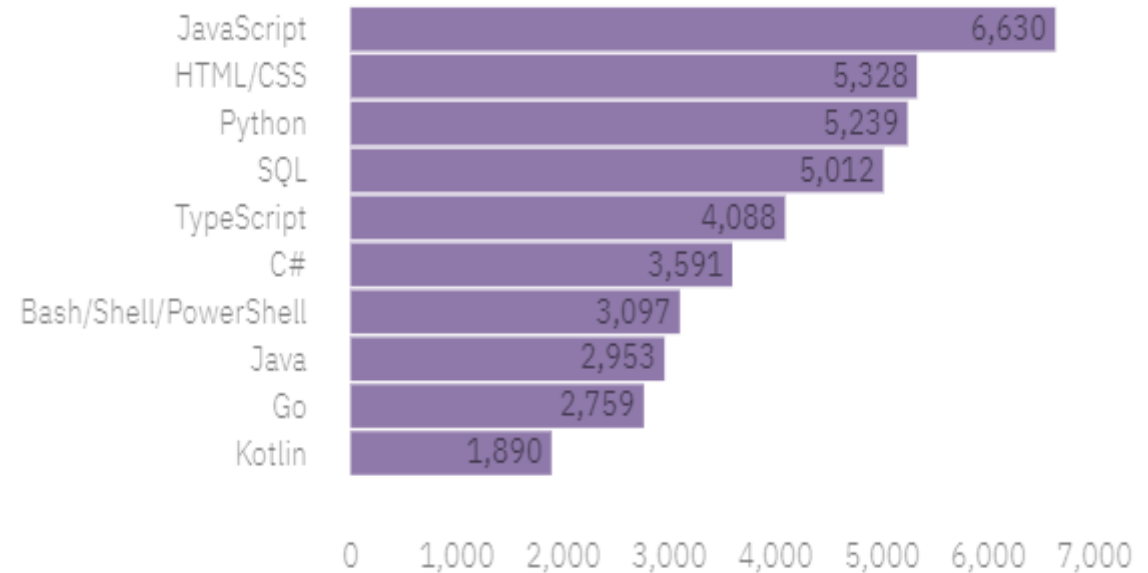
Current Year

Next Year

Top 10 LanguageWorkedWith



Top 10 LanguageDesireNextYear



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Java script, HTML/CSS and SQL are top in this year
- Python is in top 6 this year and next year will be in top 3
- Java script is most demanding this and next year

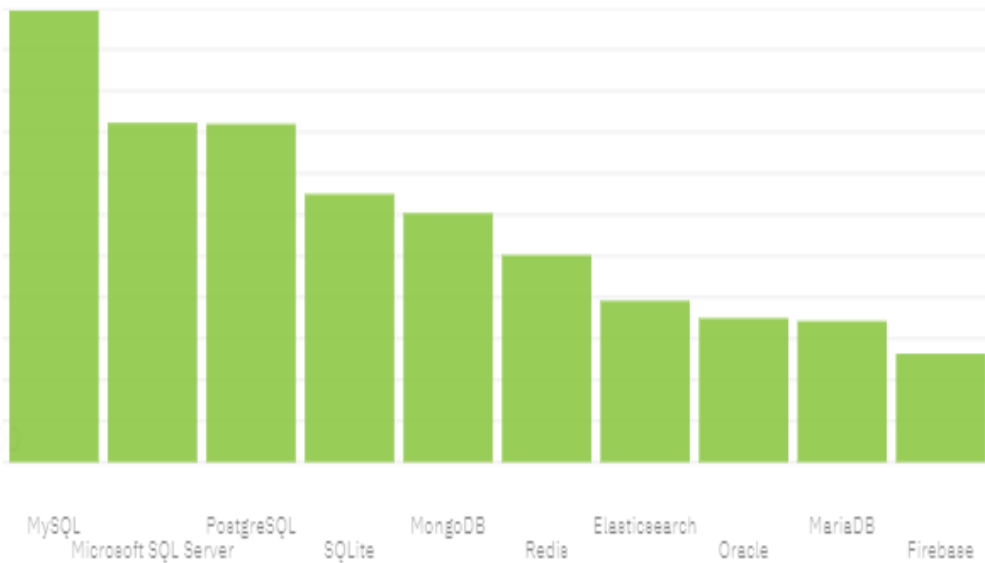
Implications

- Web Development is in high demands
- Python demand would be high in upcoming years
- Java script is most useful tech to learn

DATABASE TRENDS

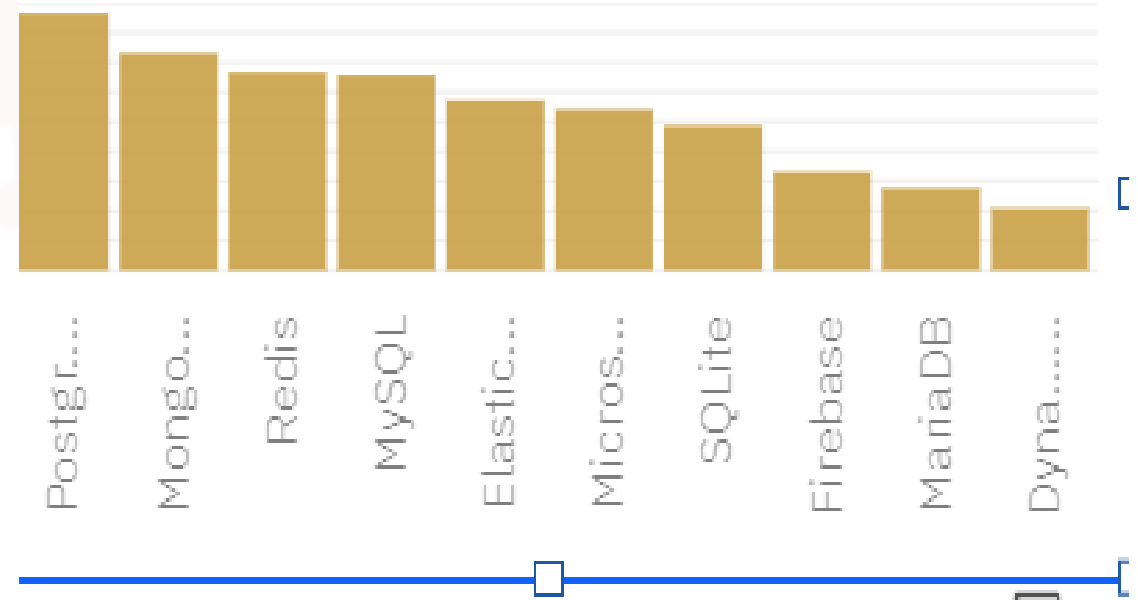
Current Year

Top 10 Database Worked With



Next Year

Top 10 Database Desired Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySql, Microsoft sql server , Pgsql are the most in demand this year
- Pgsql, mongo , redis will be high in demand next year
- My sql will be rank down by 5 by next year

Implications

- Sql is highly required to do job with ongoing trend
- New database with docker in trends by next year
- Pgsql is in good position in this year and next year

DASHBOARD



<https://eu-gb.dataplatform.cloud.ibm.com/dashboards/e2ab8829-a3ab-4284-9203-d89800080d76/view/4c3da33a11bd6c9f49b0e6e407cf79077563710fb1bb8600d3d77b4909347297a86b1790c8284a5eda140567f3ee1250cd>

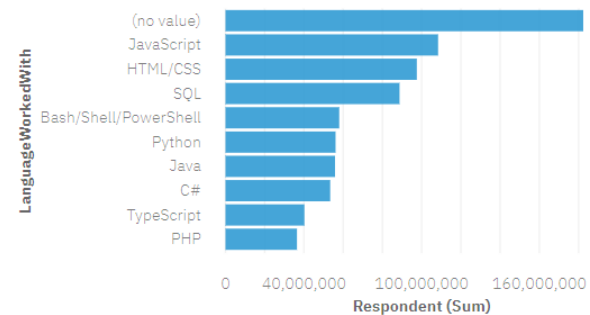
DASHBOARD TAB 1

Current Technology Usage

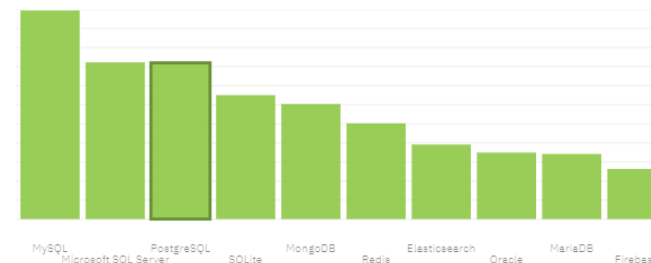
Future Technology Trend

Demographics

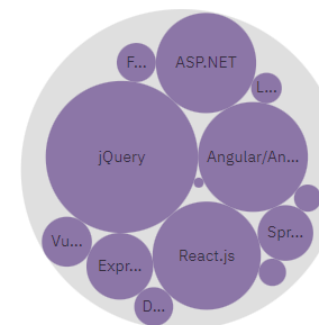
Top 10 LanguageWorkedWith



Top 10 DatabaseWorkedWith



Top 10 WebFrameWorkedWith



PlatformWorkedWith



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DASHBOARD TAB 2

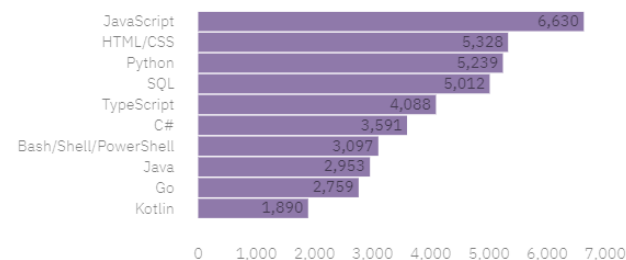
Filters

Current Technology Usage

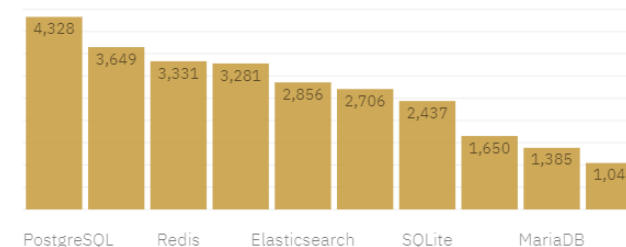
Future Technology Trend

Demographics

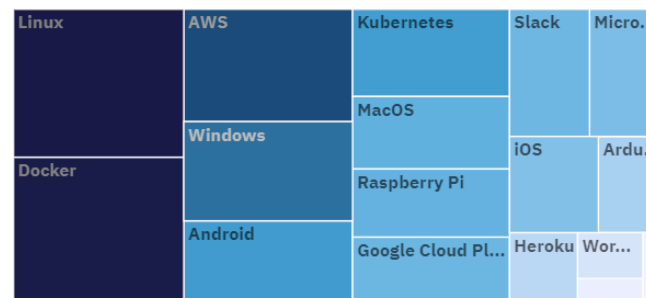
Top 10 LanguageDesireNextYear



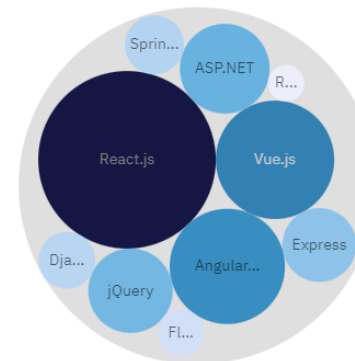
Top 10 DatabaseDesireNextYear



PlatformDesireNextYear



Top 10 WebFrameDesireNextYear



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DASHBOARD TAB 3

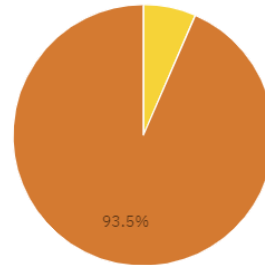
Current Technology Usage

Future Technology Trend

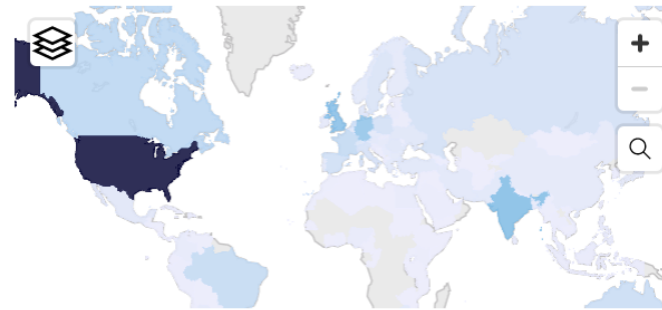
Demographics

Respondent classified by Gender

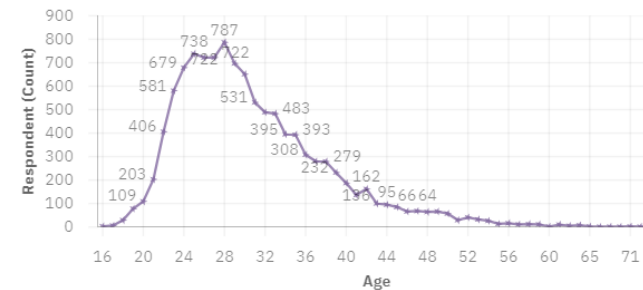
Woman Man



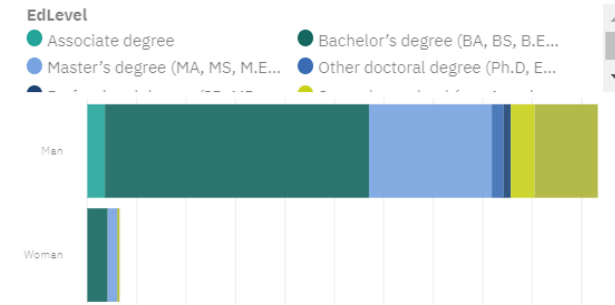
Respondent Count for Countries



Respondent Count by Age



Respondent Count by Gender, classified by Formal Education Level



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DISCUSSION



- Technology trends this year and next year is changing rapidly
- Training with new skills are required
- Female is growing at good pace in tech field
- Age is not a concern nowadays for further education or skills set

OVERALL FINDINGS & IMPLICATIONS

Findings

- JavaScript is in huge demand
- Female are participating in tech field with good numbers
- jQuery is in huge demand

Implications

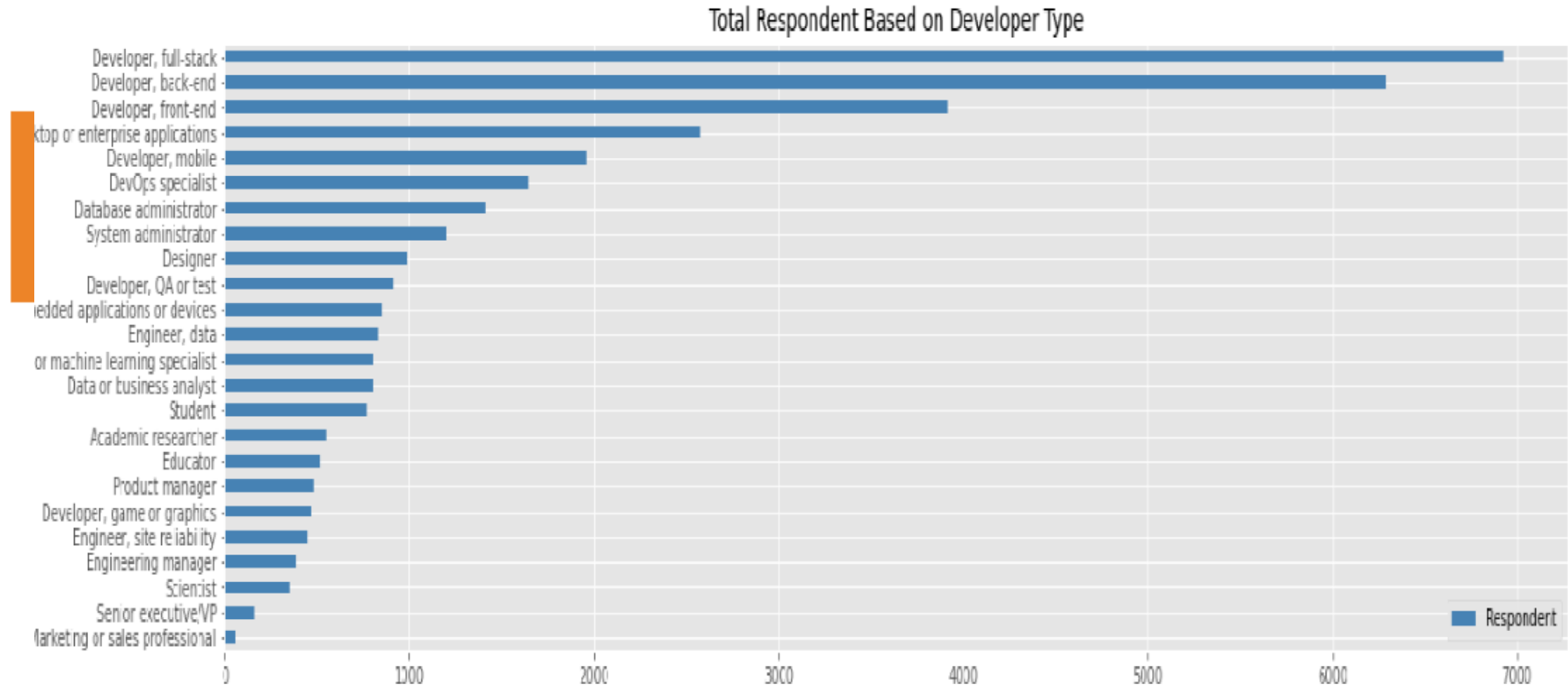
- Java script should be in training as it is going to be require surely
- Tech does understand any discrimination
- React.js would be highly active by next year as per trend

CONCLUSION



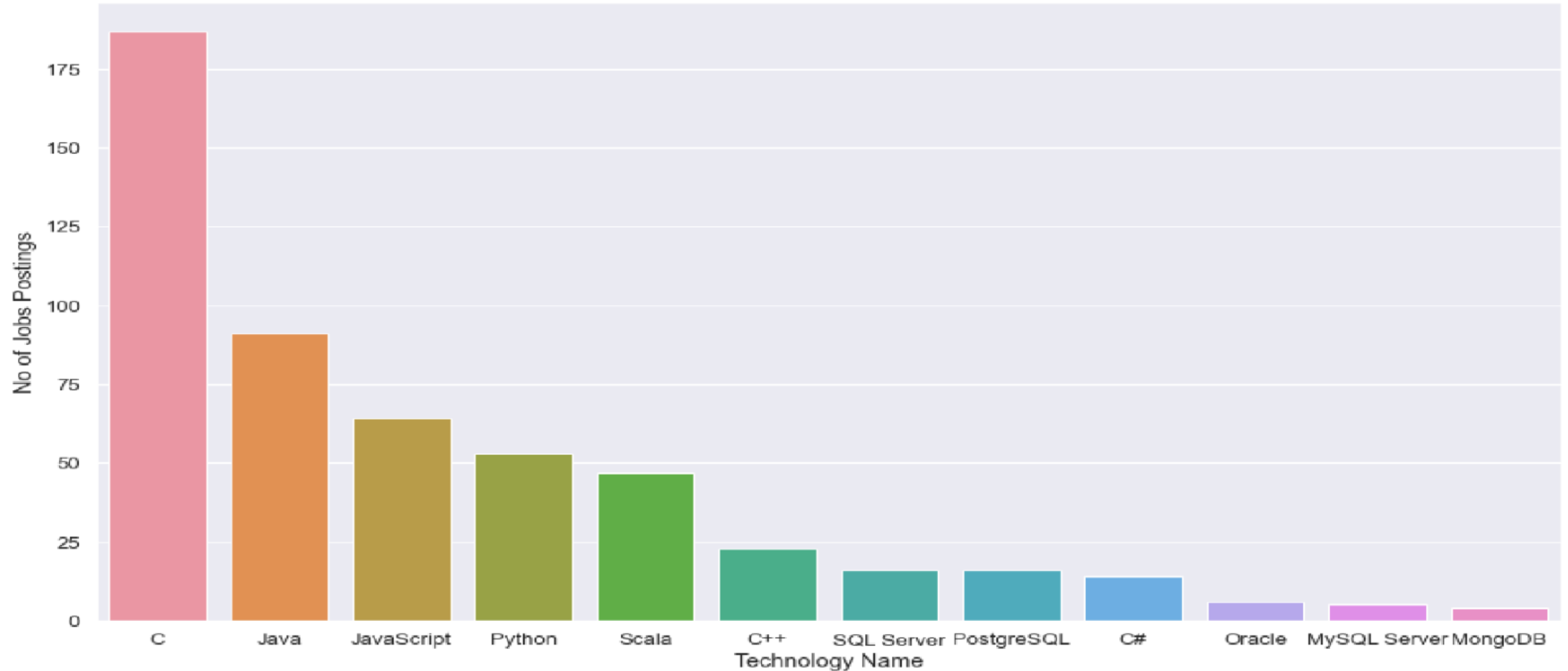
- Start learning more skills as per the trend which is changing rapidly
- JavaScript is essential
- Sql and pgsql will be dominant for few years
- Cloud technologies are raising
- Linux is something which going to dominant.

APPENDIX



GITHUB JOB POSTINGS

Number of Jobs @ Github



POPULAR LANGUAGES

