



Stack Overflow Findings

Abdulrahman Alkojak Almasri

10 January 2023

OUTLINE



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

EXECUTIVE SUMMARY



- JavaScript is the dominant Language Today and for future.
- Men represent 93% of the programming community.
 - Most of them located in USA and India.
 - Majority of men are bachelor degree holders.
 - Ages between 23 and 30.
- React Js will be the dominant Web framework in future
- Linux is becoming more popular.
- Web Development is the most popular job between developers.

INTRODUCTION



- Stack Overflow, a popular website for developers.
- online survey of software professionals across the world.
- Current job and Future jobs

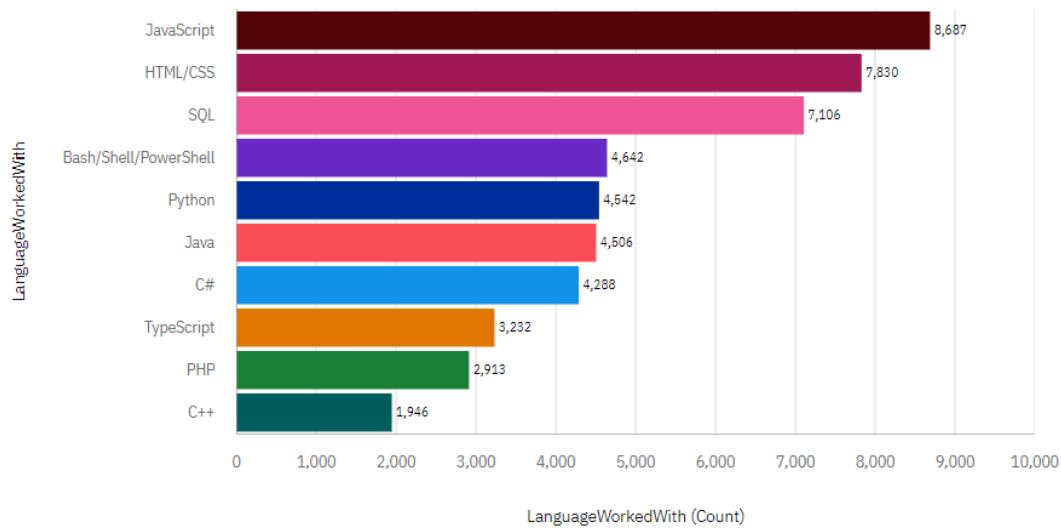
METHODOLOGY



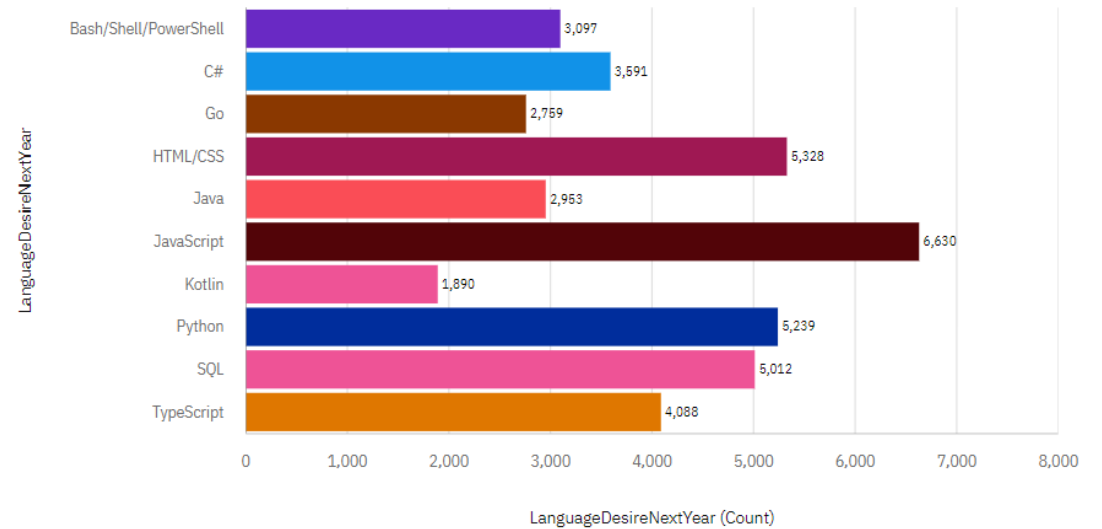
- Sample data (10% of the actual data).
- Exploratory Data Analysis.
- Determining Outliers.

PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

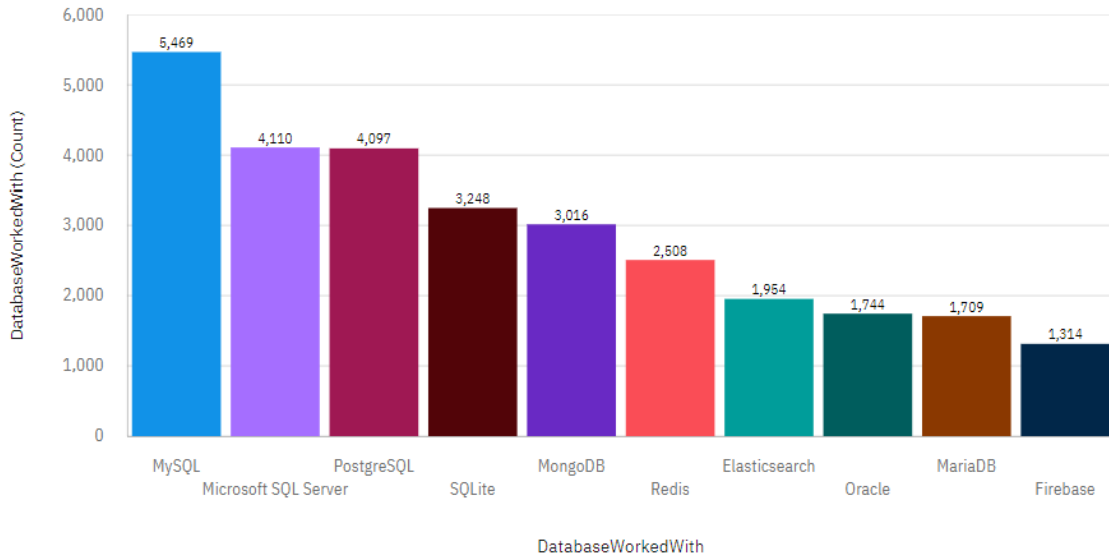
- Java Script is top language.
- Python ranked as 5th.
- Java Script is the most demanded language

Implications

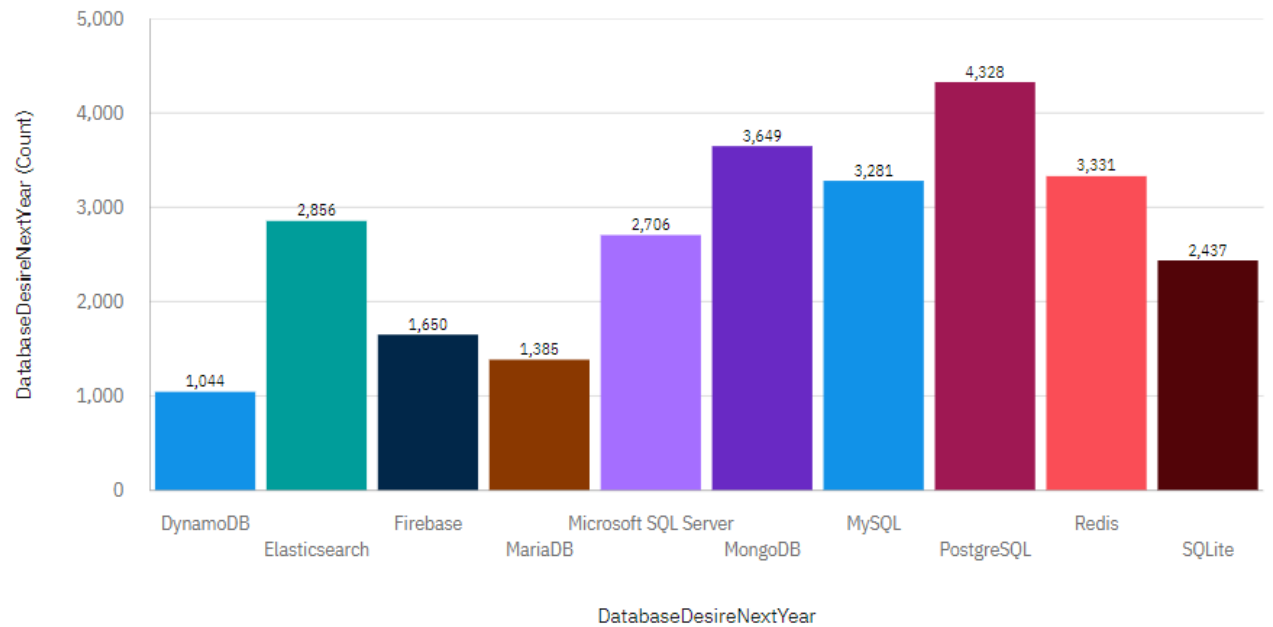
- Web Development becomes more popular.
- Python will be dominant in future along with Java Script

DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySQL the most popular Database.
- PostgreSQL will be more in demand in future.

Implications

- There will be more variation of databases in the next years.

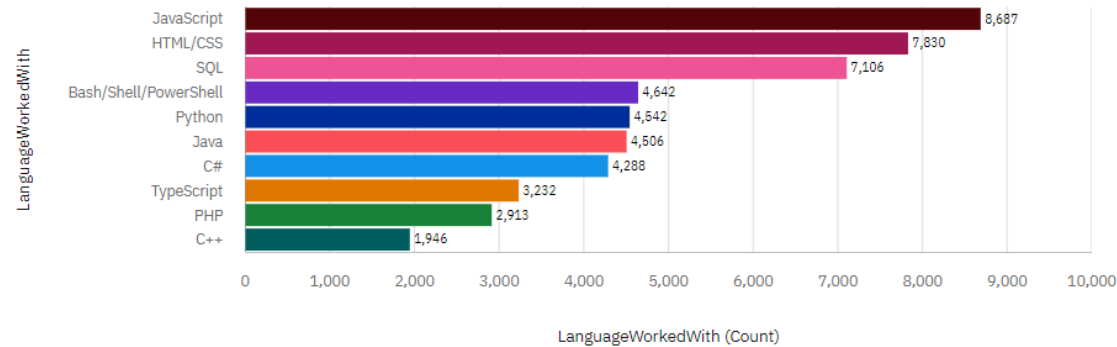
DASHBOARD



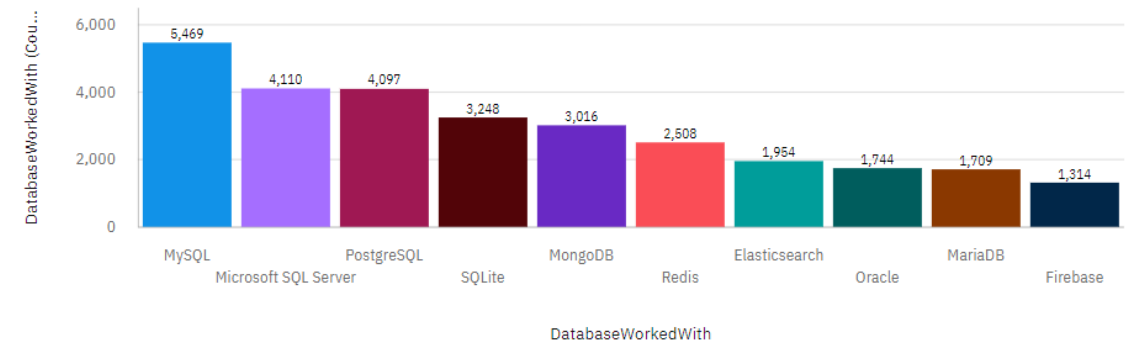
https://us3.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FCapstone%2BProject&action=view&mode=dashboard&subView=model000001859a2076ab_00000001

Current Technology Usage.

Top 10 Languages Worked With



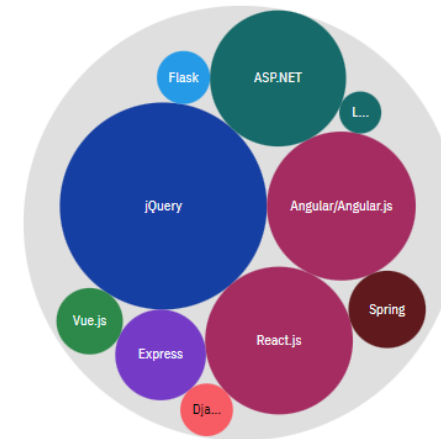
Top 10 Databases Worked With



Platforms Worked with

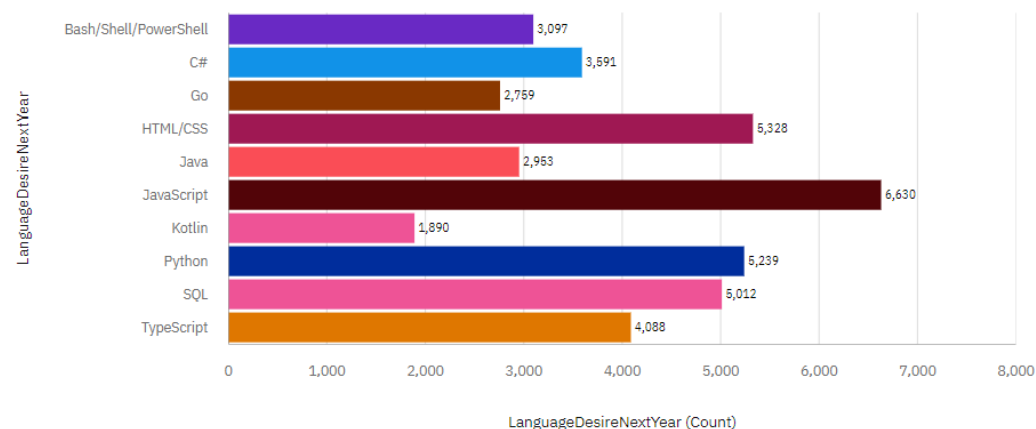


Top 10 Frameworks

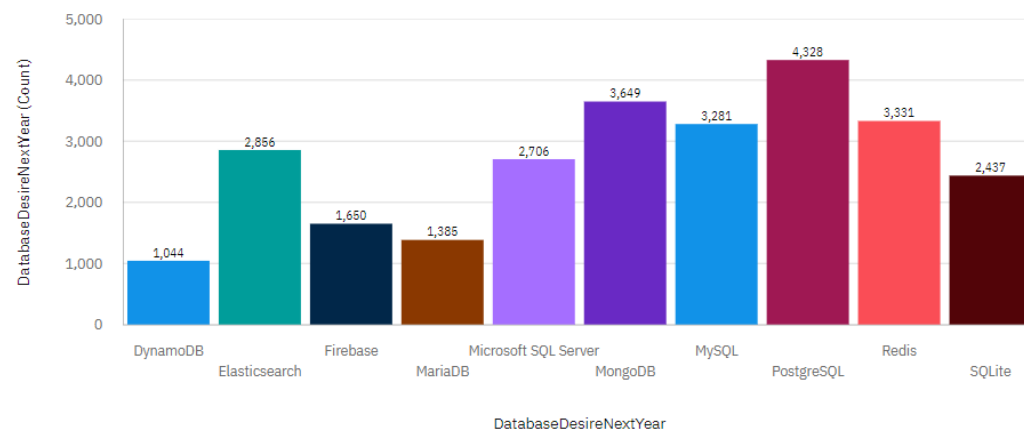


Future Technology Trend.

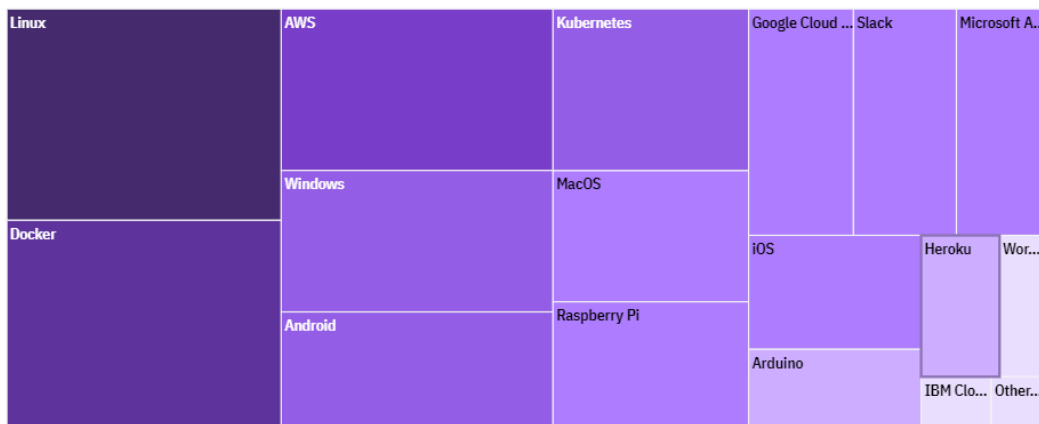
Top 10 Languages Desired Next Year



Top 10 Databases Desired Next Year



Platforms Desired Next Year



Top 10 Webframes Desired Next Year

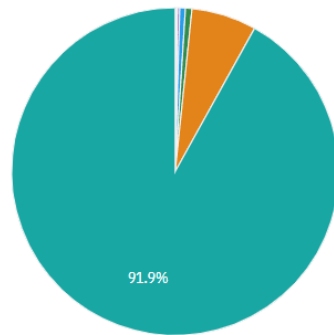


Demographics.

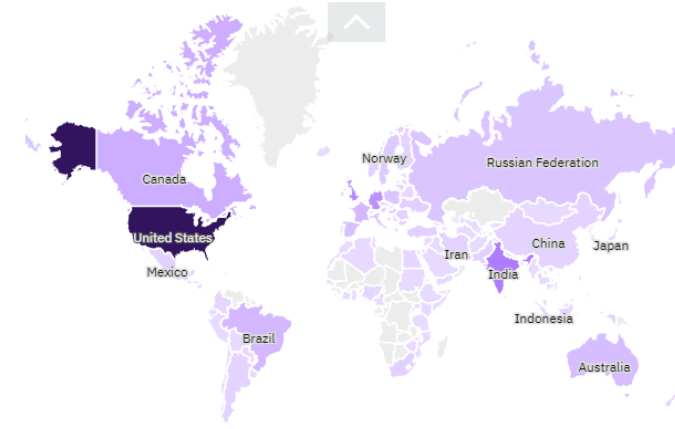
Respondents are classified by Gender.

Gender

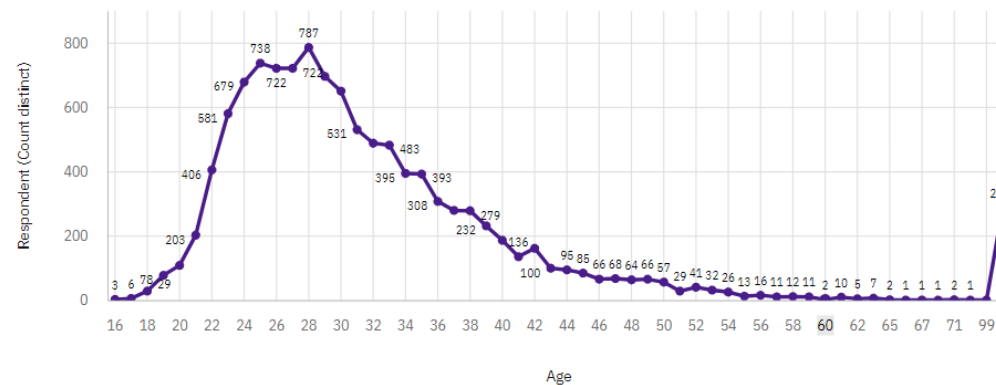
- Woman;Man;Non-binary, genderq...
- Woman;Man
- Non-binary, genderqueer, or gend...
- (no value)
- Woman;Non-binary, genderqueer, ...
- Man;Non-binary, genderqueer, or ...
- Woman
- Man



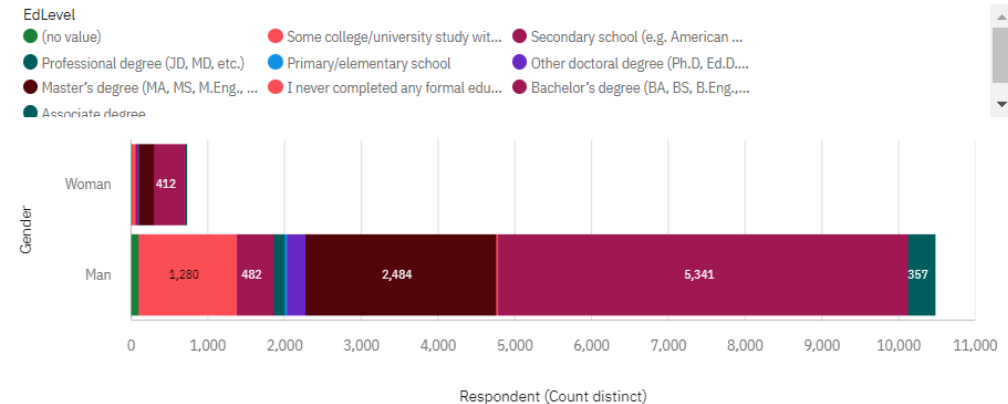
Respondents are classified by Country.



Respondent Count by Age



Respondent Count by Gender and Education Level



DISCUSSION

- 
- 
- Are Jobs in next few years going to depend on a Non-Academic Certificate?

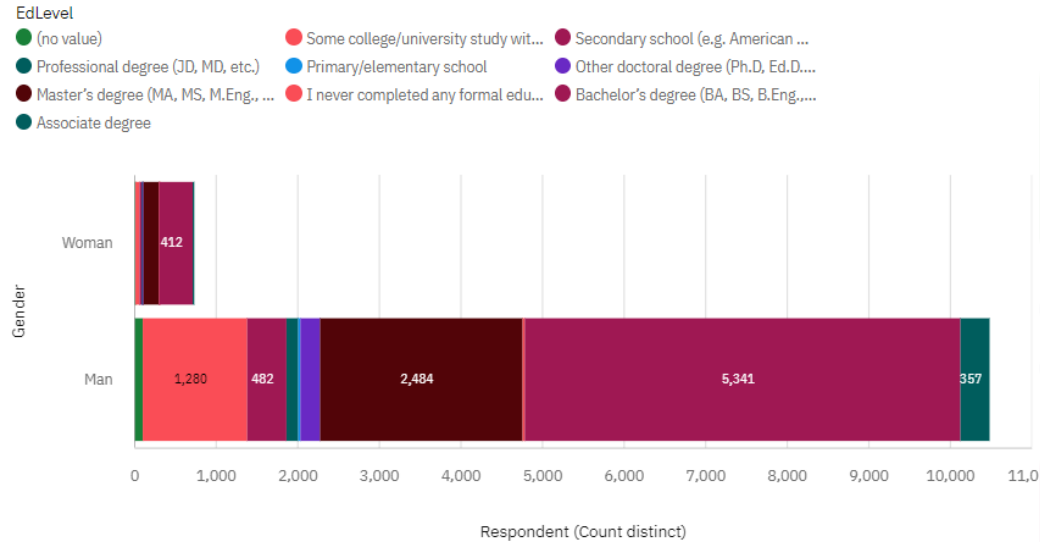
CONCLUSION



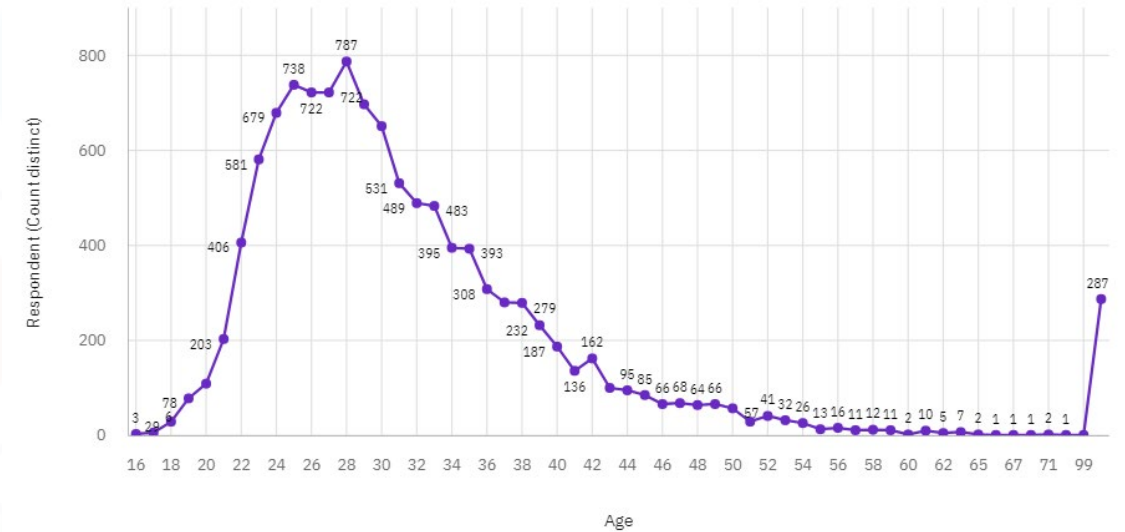
- JavaScript is the dominant Language Today and for future.
- Web development jobs are becoming more popular.

APPENDIX

Respondent Count by Gender and Education Level

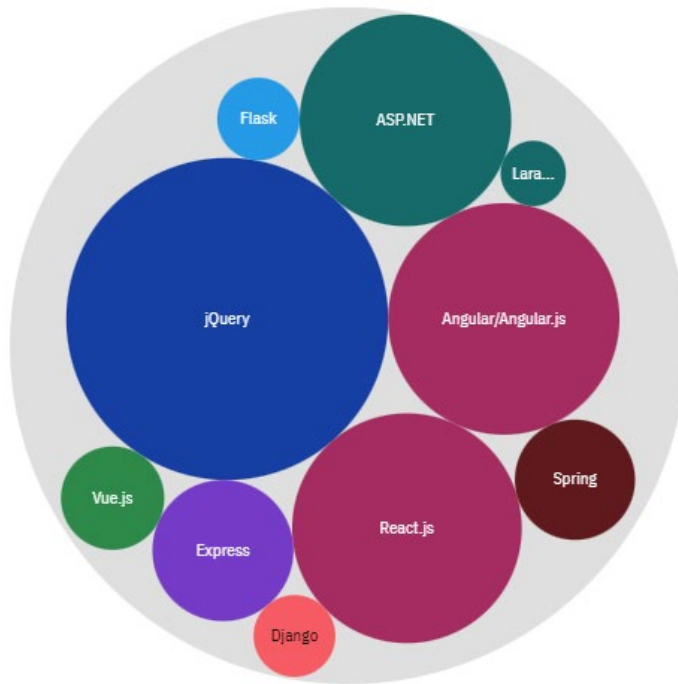


Respondent Count by Age

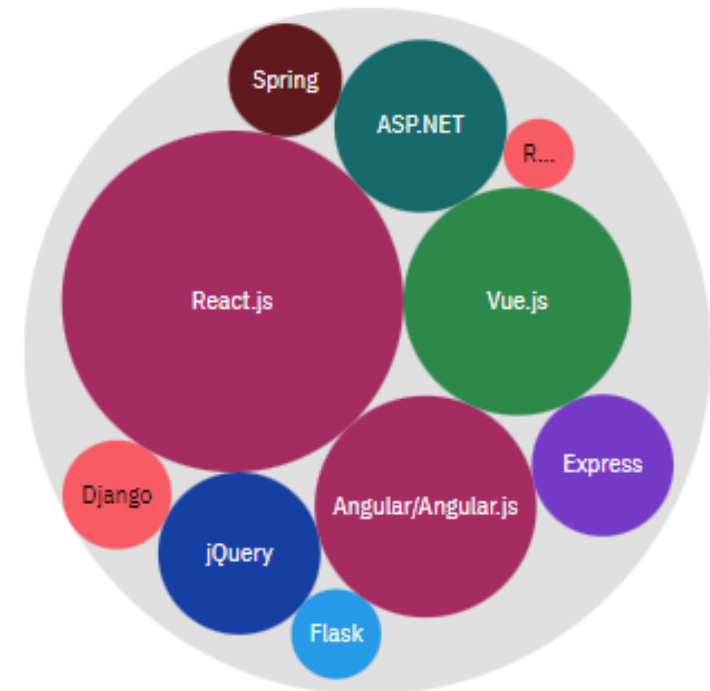


APPENDIX

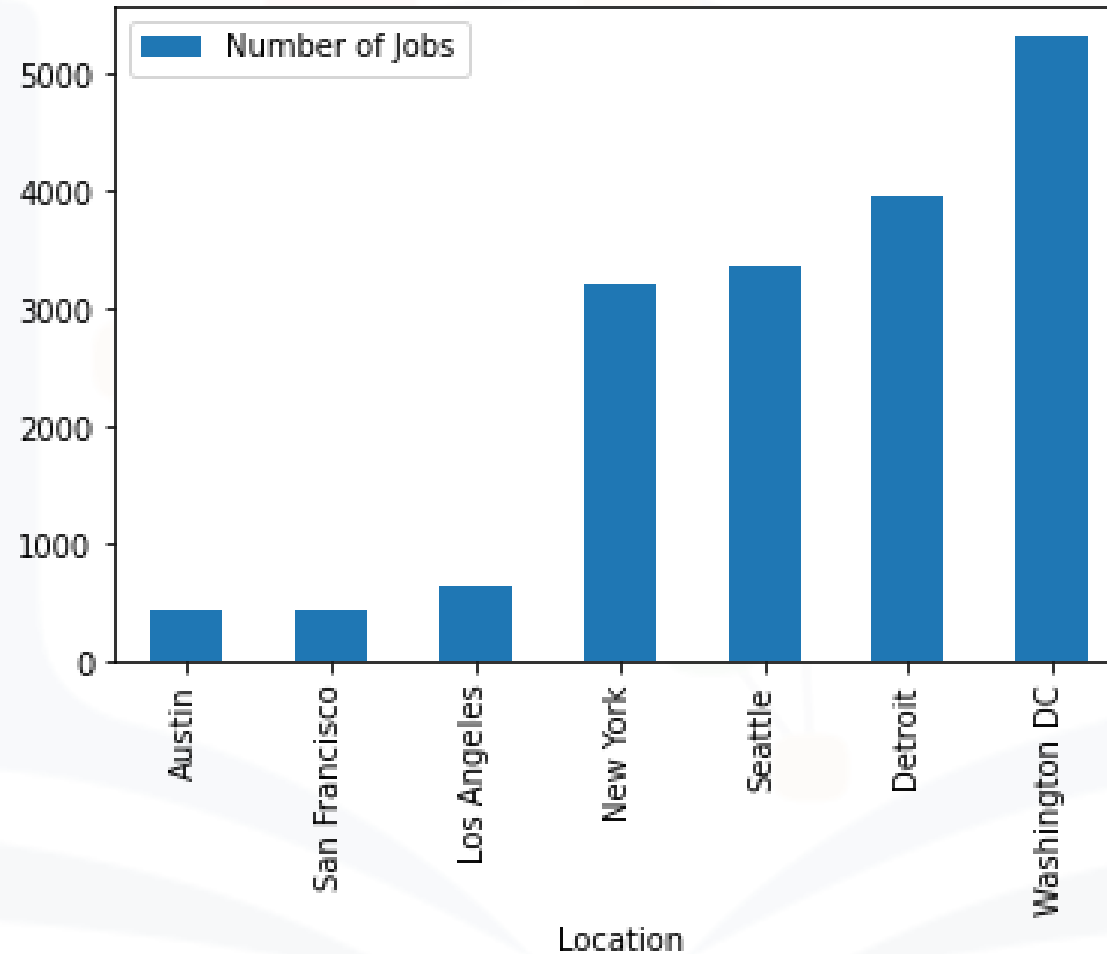
Top 10 Frameworks



Top 10 Webframes Desired Next Year



JOB POSTINGS



POPULAR LANGUAGES

