STACK OVERFLOW DEVELOPER SURVEY 2019

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OUTLINE

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- Introduction
- Methodology
- Results
  - Visualization – Charts
  - Dashboard
- Discussion
  - Findings & Implications
- Conclusion
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EXECUTIVE SUMMARY

- This Slides Summarize the findings from an analysis of data collected in 2019 stack overflow developer Survey
- The most popular technologies are web-based one such as JavaScript, HTML.
- This report is to find and analyze Current and Future year trending using the technology
- Through this report we can easily understand the trend of professional technology and what skills to learn for finding better jobs.

INTRODUCTION

- The Technology is updating frequently and we its necessary to follow with the latest technology in each field.
- This Slide will tell you which programming languages and data base skills are in demand
- This Report Shows you Correlation between Numerical data
- In this lab there are 4 different types
    - The programming Language trend
    - Database Trends
    - Platform Trends
    - Web Frame Trends

METHODOLOGY

- In this Report we are comparing the current and Future trends using the technology
- The data collected from ‘Stack Overflow Developer Survey 2019’
- In this report we are using the different charts in dashboard to compare current and Future Trends
- Dashboard is used to clearly analyze and visualize data in IBM dashboard

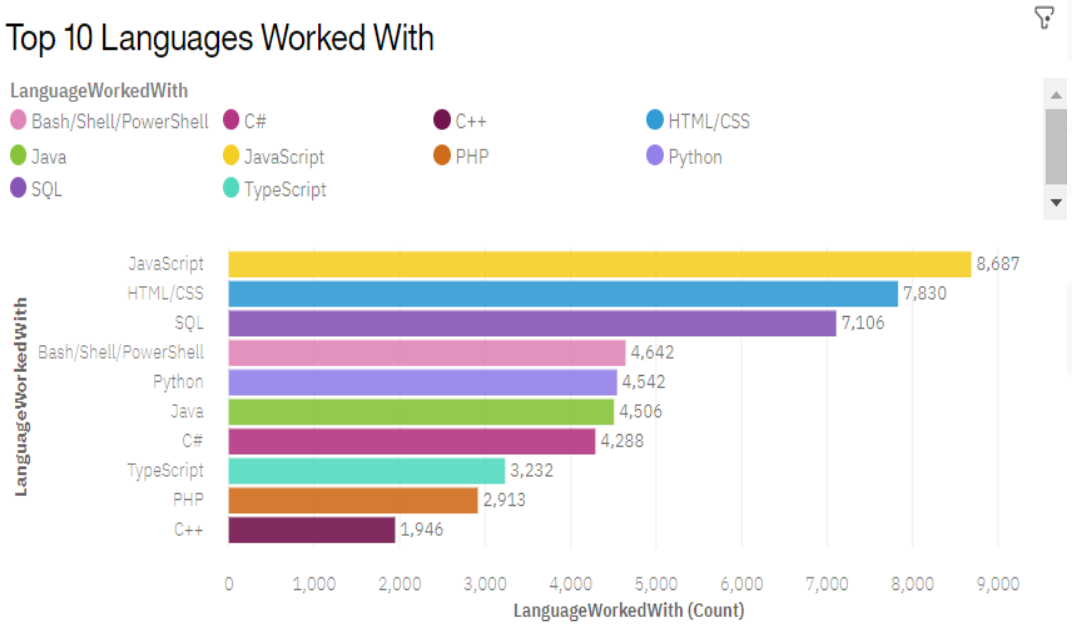
RESULTS

The Result Shows 4 main parts

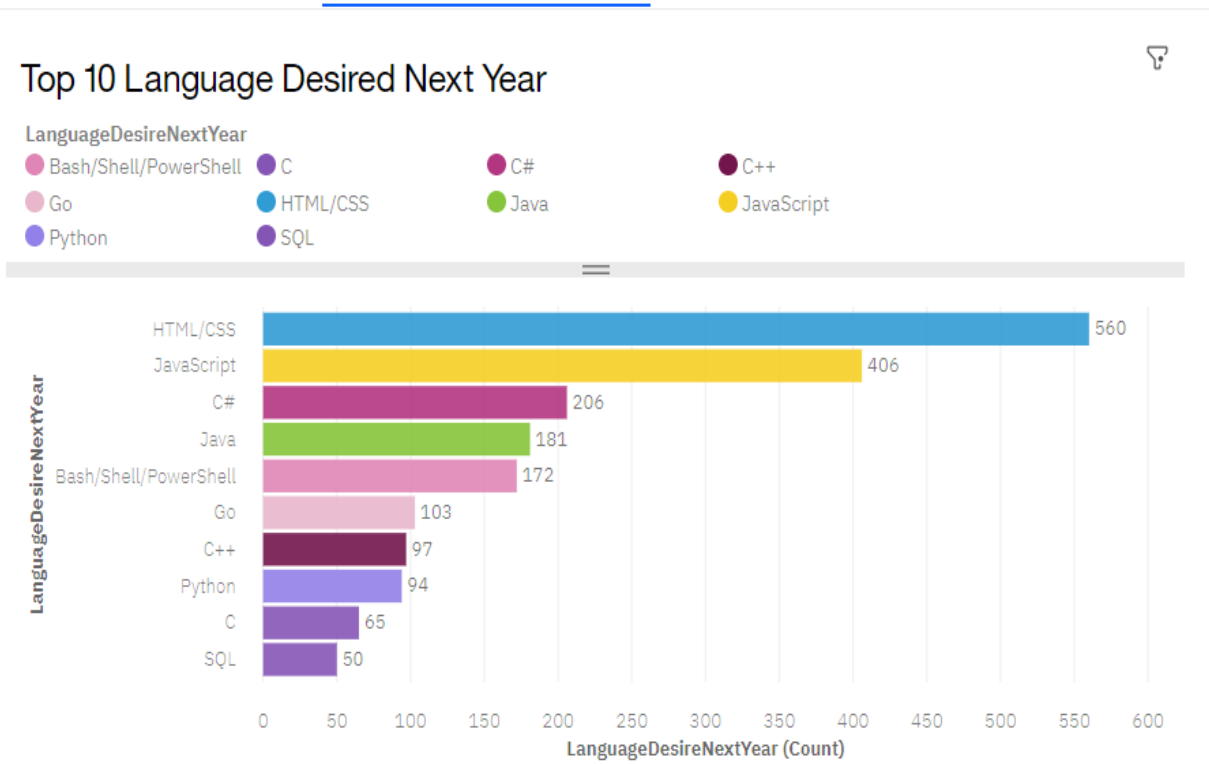
- The programming Language trend
- Database Trends
- Platform Trends
- Web Frame Trends

PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

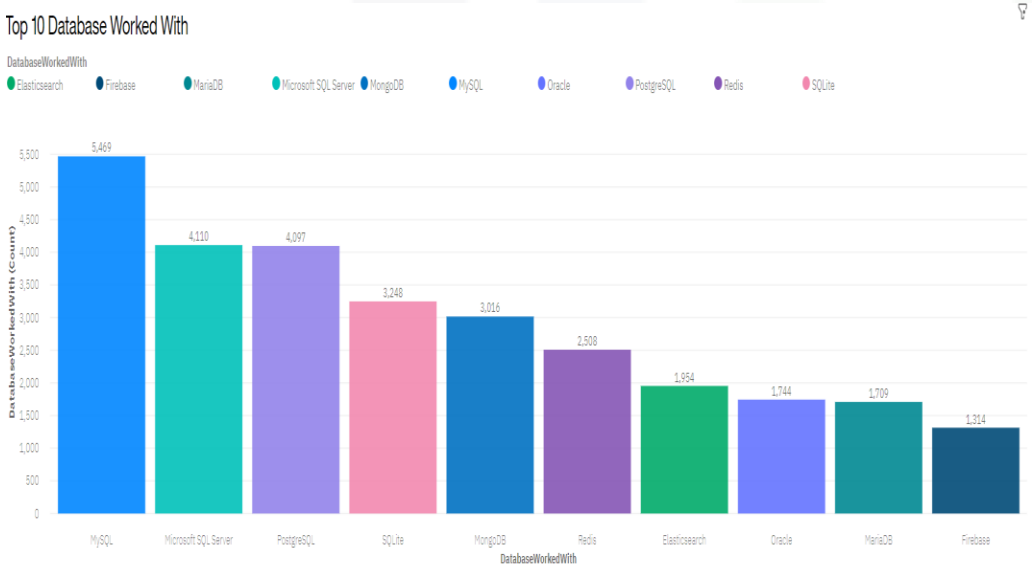
- JavaScript and HTML/CSS are top Programming language for both current and future trend
- C# moves from position 7 to Position 3
- PHP and Go are disappearing from the list

Implications

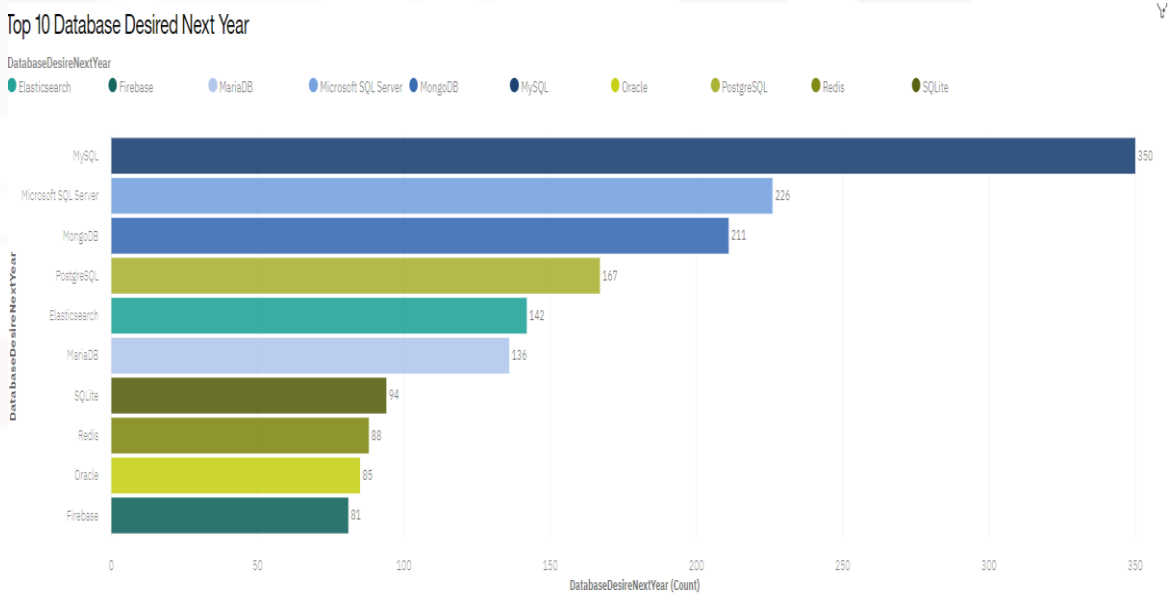
- The People continue to employ in same skill JavaScript and HTML/CSS
- Java and C# are becoming more and more important
- PHP and SQL are falling out of interest

DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MY SQL and Microsoft SQL server are in the Same rank No1
- MongoDB & PostgreSQL job trends are increasing
- Elasticsearch are increasing in trends no 7 to no 5
- SQLite disappear from the list

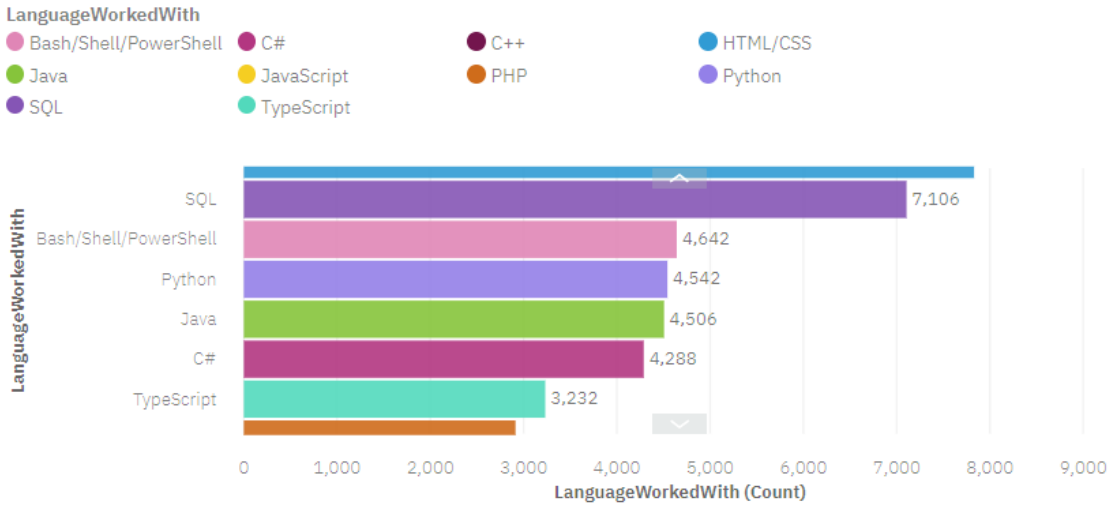
Implications

- People Employed more in MYSQL and Microsoft SQL Server
- People Employed in MongDB and & PostgreSQL are increasing
- People Employed in Oracle, Firebase and Redis are decreasing

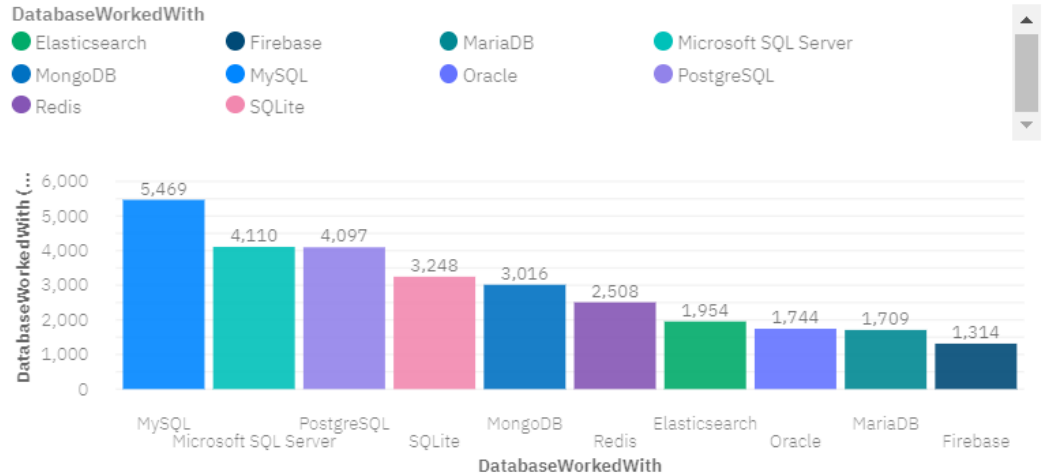
DASHBOARD

https://dataplatform.cloud.ibm.com/dashboards/11469285-b4b7-4162-98c8-663958fc6731?project_id=0154f107-6f59-4221-88c1-66086b49a140&mode=undefined

Top 10 Languages Worked With

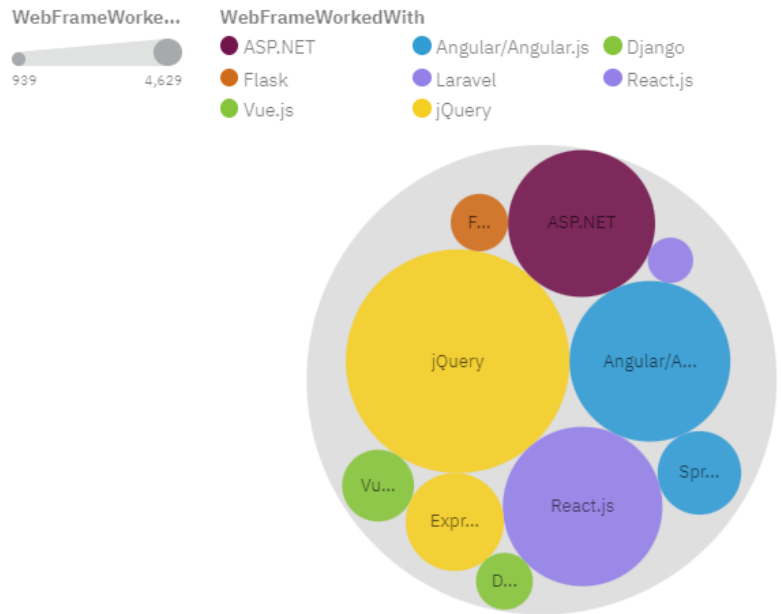


Top 10 Database Worked With



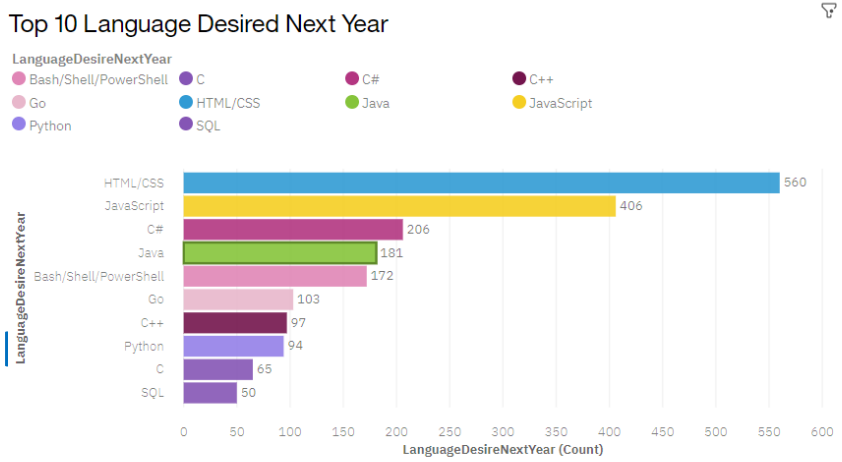
Platform Worked With

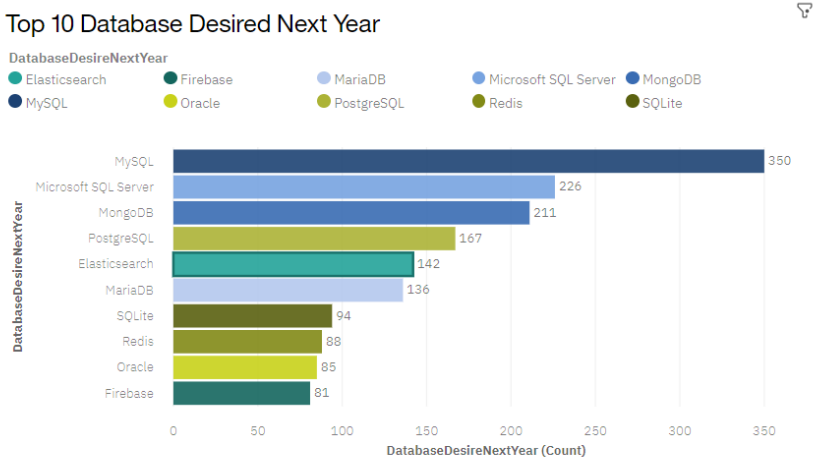
Top 10 WebFrame Worked with

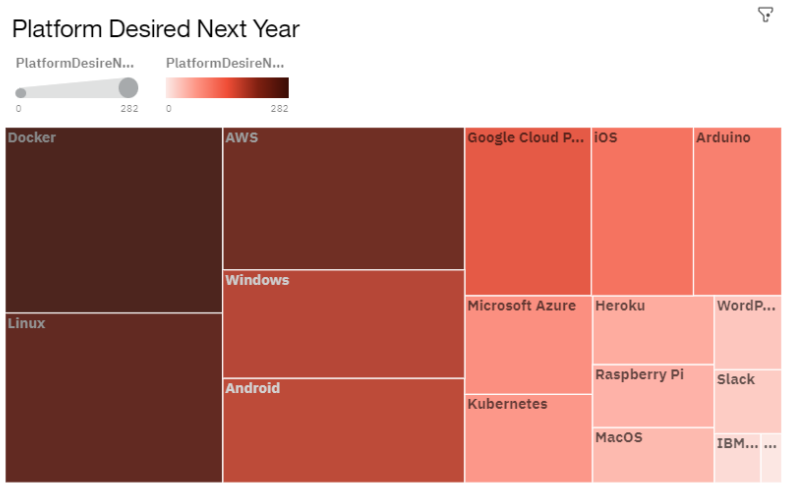


DASHBOARD TAB 2

Screen







DASHBOARD TAB 3

Projects / Capstone project / Survey Data

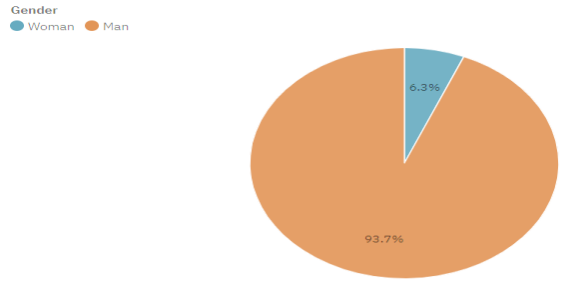
All tabs

Gender
Man, Woman 2

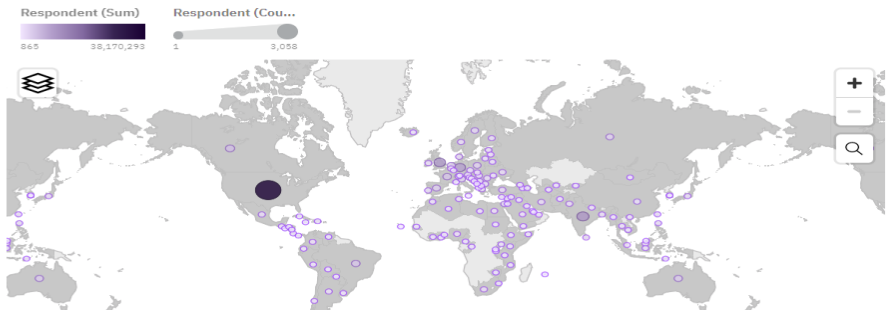
This tab

Current Technology Usage | **Future Technology Trend** | **Demographics**

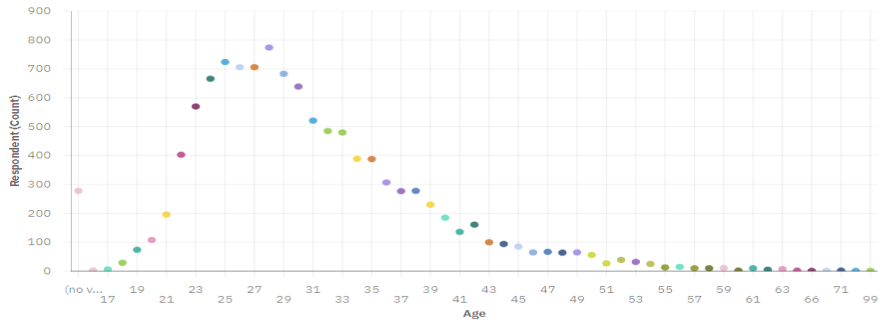
Respondent classified by Gender



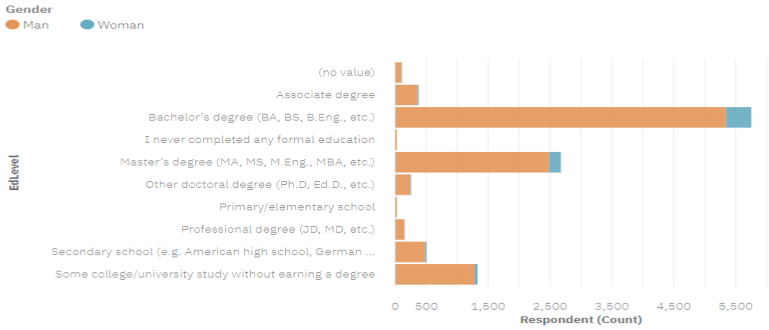
Respondent Count by Country



Respondent Count by Age



Respondent Count by Gender, by Education Level



IBM Developer

SKILLS NETWORK

DISCUSSION

- Technology Usage Trend Now and Future
- Gender ,Age and Education Discrimination in IT industry

OVERALL FINDINGS & IMPLICATIONS

Findings

- Web Based Languages are always stays in number1
- Non-Relational database moves to No.2 to No.3
- Cloud based platform are always No.1

Implications

- Web based application is taking over the traditional application
- Non –Relational database sees increasing trends
- Cloud –based become top1 for platform development

CONCLUSION

- To stay in the technology field it is important to learn web-based language and non-relational database
- The Web framework is best to learn in the future
- The cloud based service is the right direction in the IT field

Filters

All tabs

Gender
Man, Woman 2

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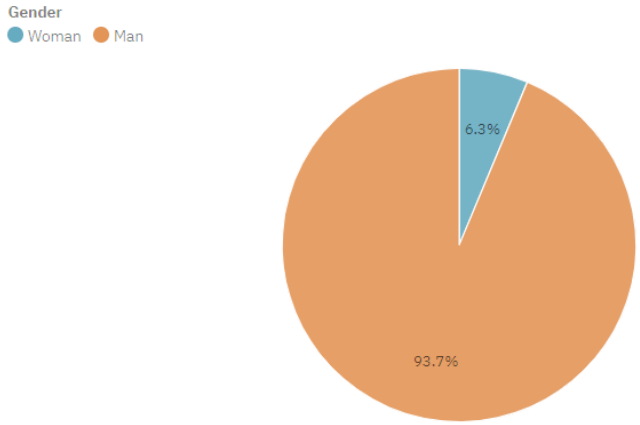
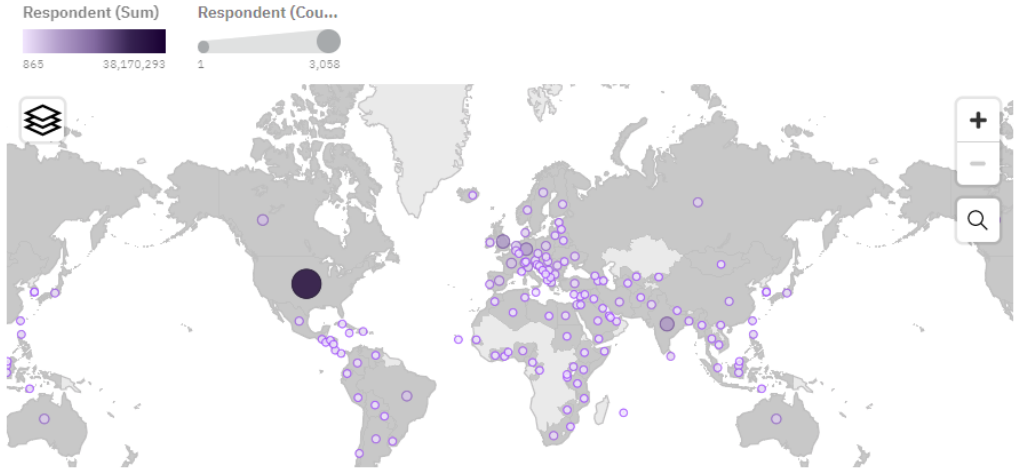
No filters have been applied.

Current Technology Usage | Future Technology Trend | Demographics

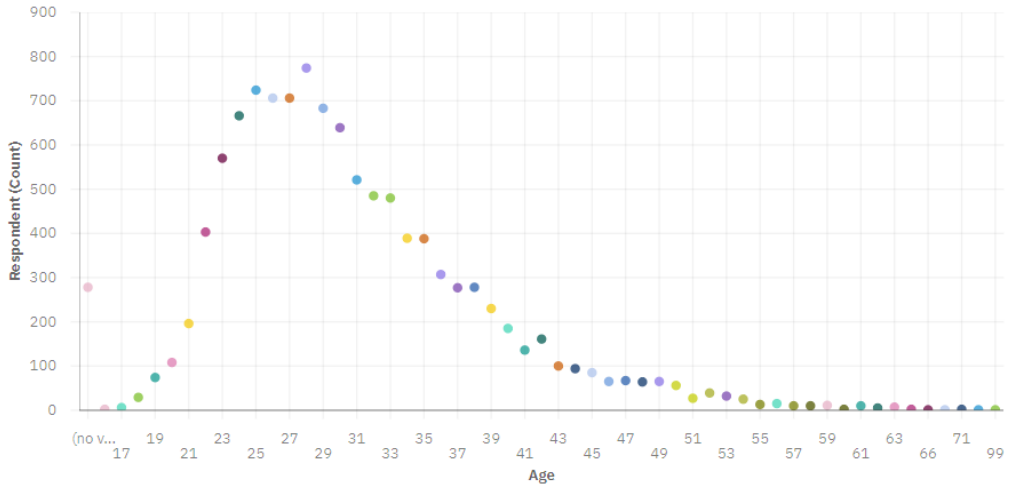
Respondent classified by Gender



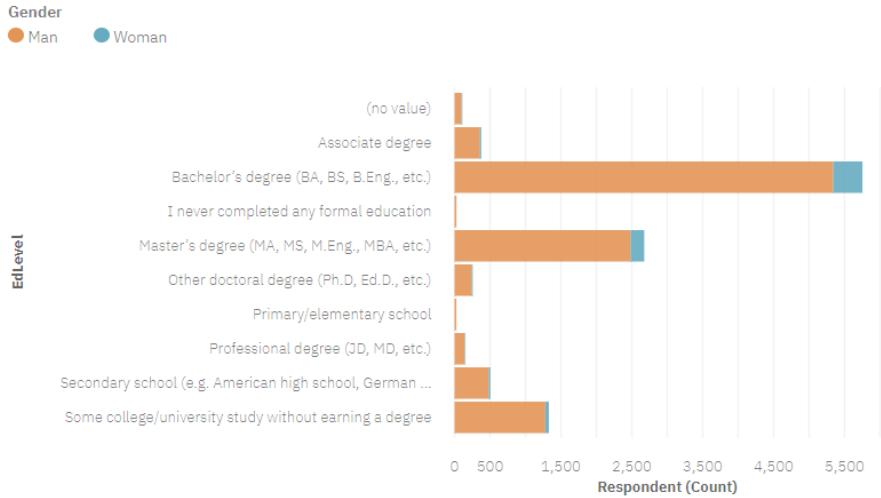
Respondent Count by Country



Respondent Count by Age



Respondent Count by Gender, by Education Level



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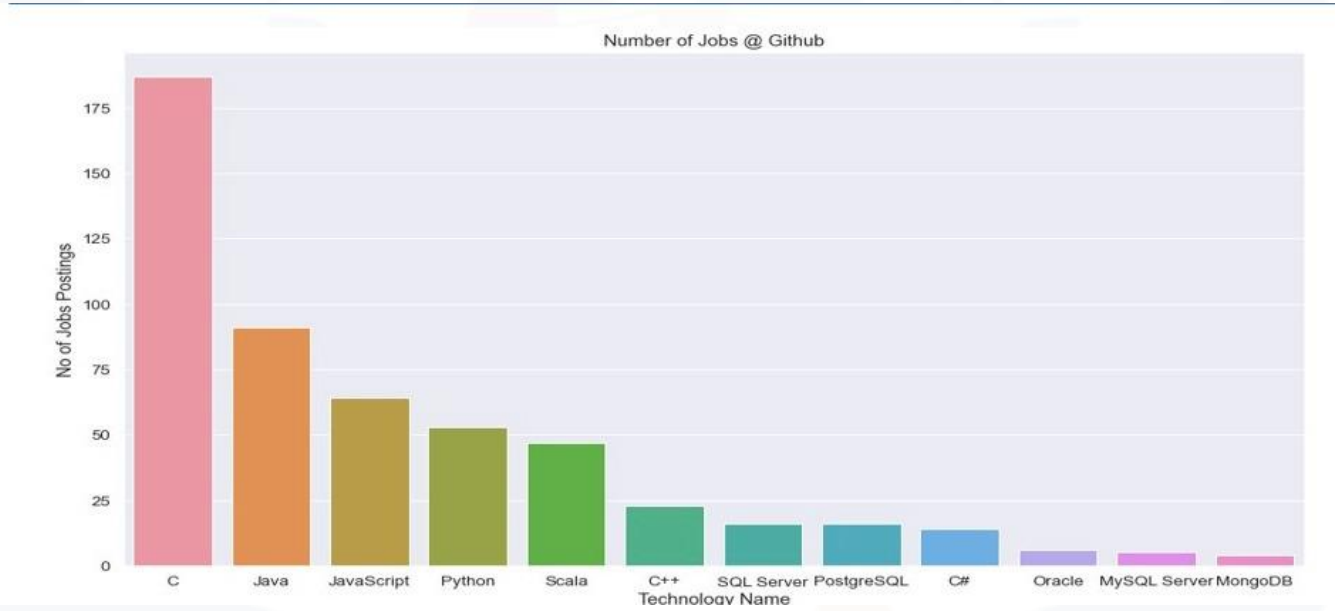
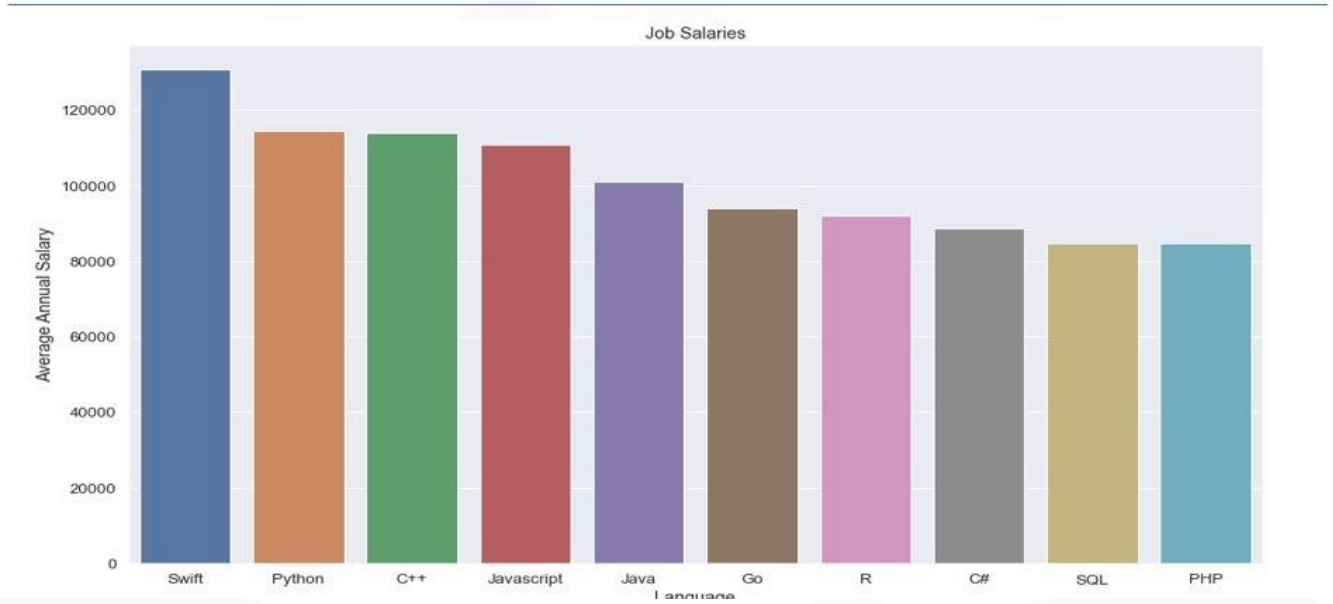
JOB POSTINGS



POPULAR LANGUAGES