Future Technology

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OUTLINE

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- Methodology
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EXECUTIVE SUMMARY

- Current Technology
- Future Technology
- Distribution
  - Gender
  - Countries
  - Age

INTRODUCTION

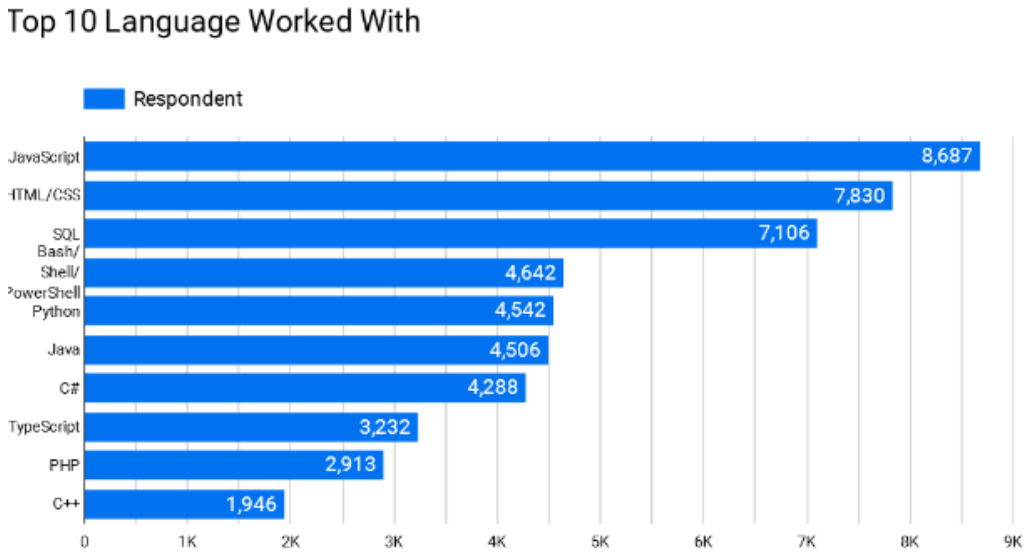
- Analyzing the trends in technology
- Identify the technology for future

METHODOLOGY

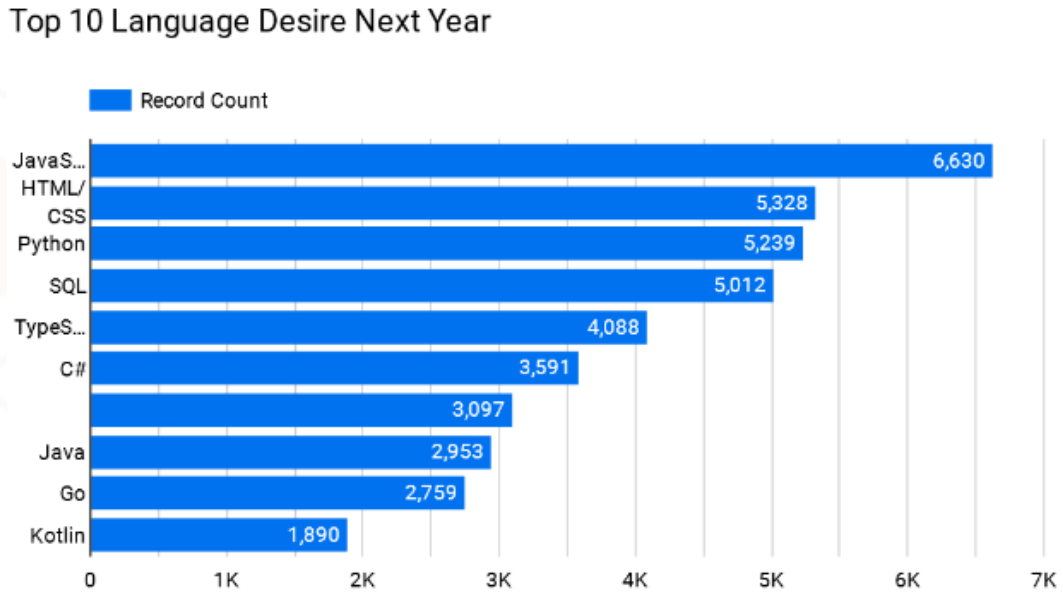
- Data Collection
- Data Exploration
- Data Visualization
- Presentation

PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



IBM Developer

SKILLS NETWORK

PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

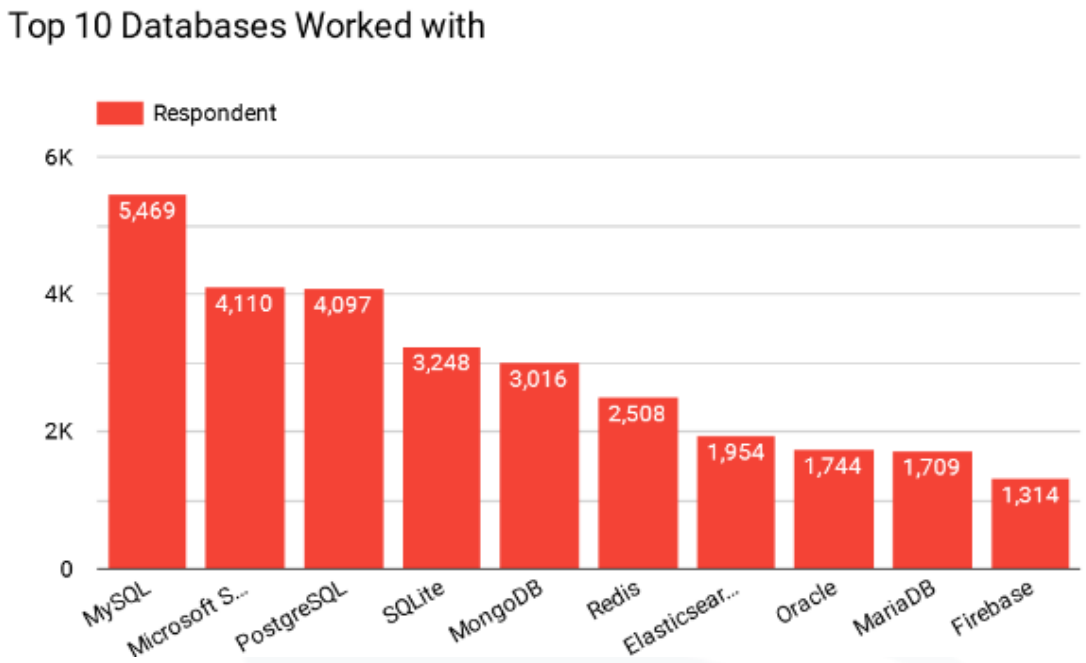
- Current top 3 programming language
  - JavaScript
  - HTML/CSS
  - SQL
- Bash/Shell/PowerShell rate drop

Implications

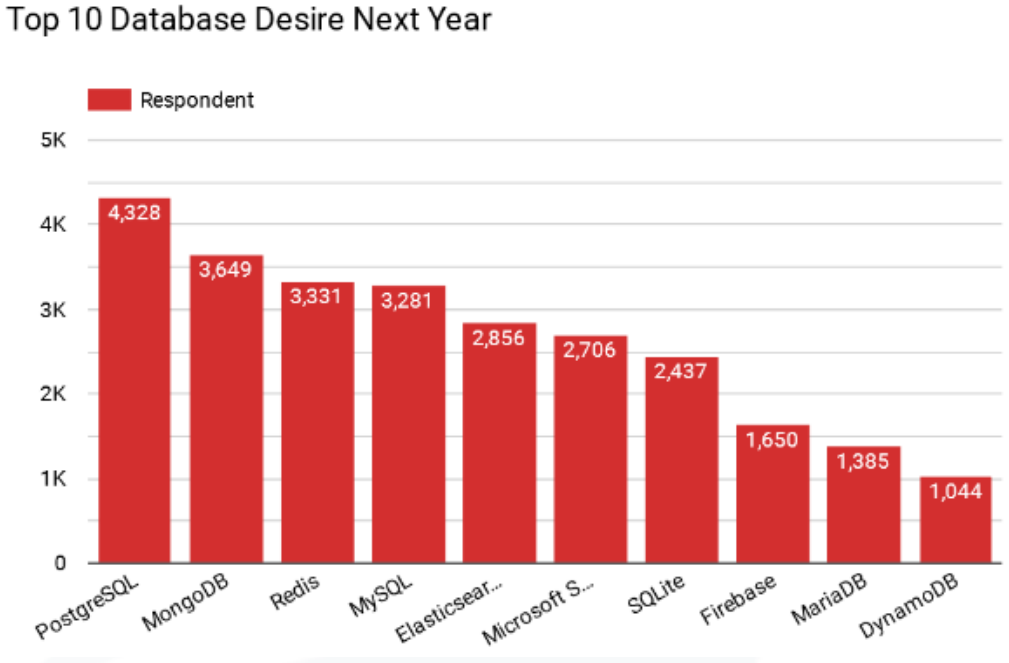
- Web Development is still in high demand
- Python become the one of main programming language in future

DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySQL is the topmost database used currently
- PostgreSQL and MongoDB are upcoming favorites

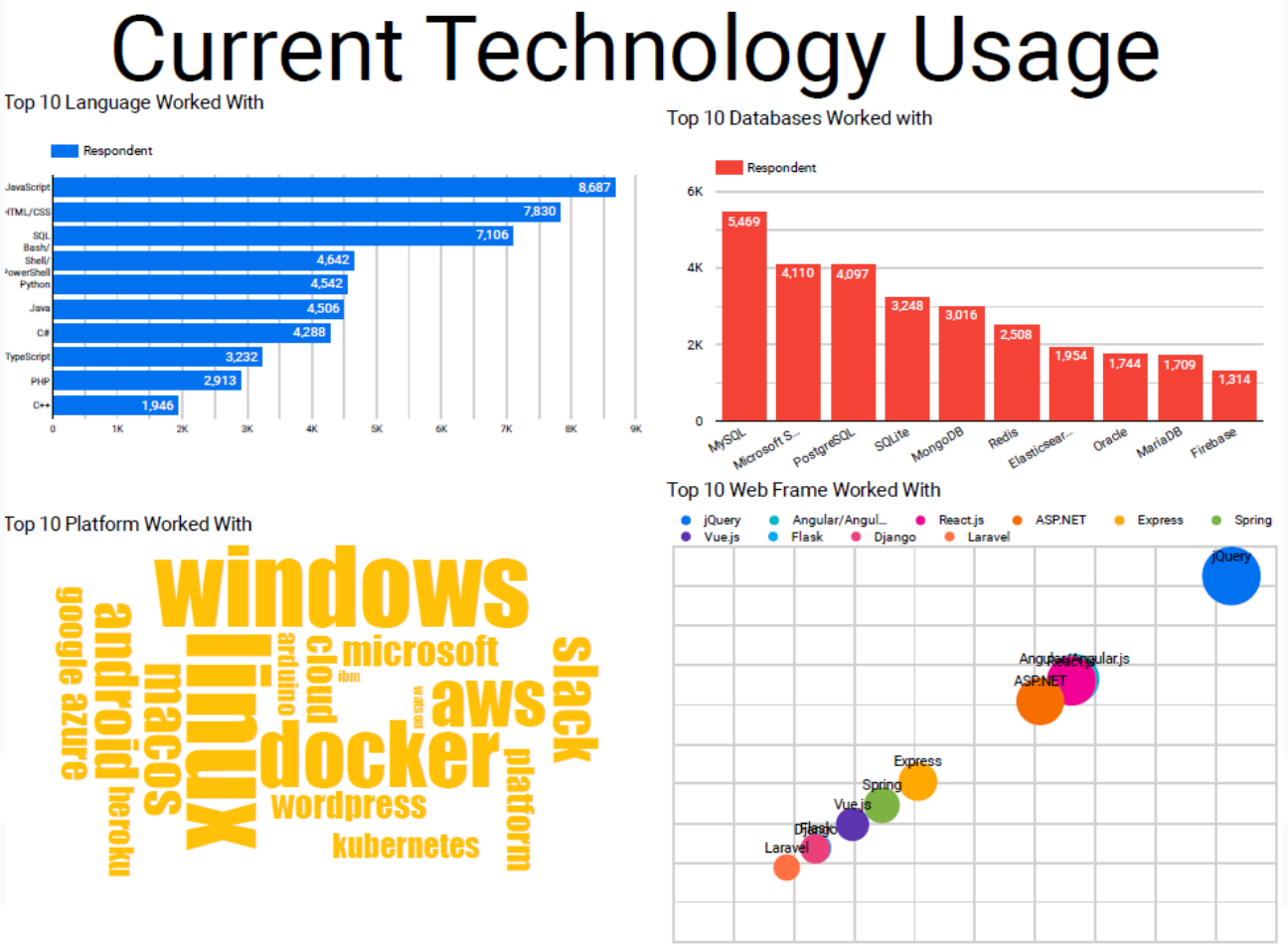
Implications

- Opensource database are still used by many
- Other NoSQL databases are used majorly to store non relational data

DASHBOARD

https://github.com/shadowdk3/IBM/blob/main/Module5-Dashboard.pdf

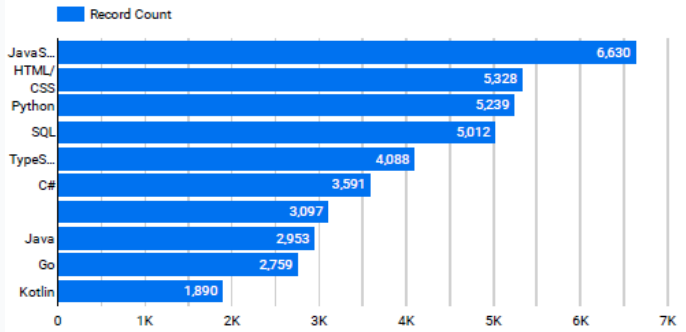
DASHBOARD TAB 1



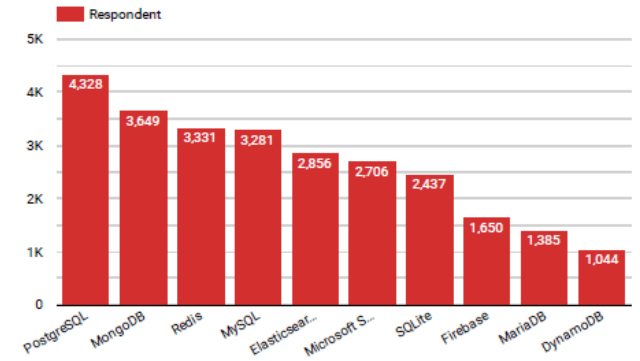
DASHBOARD TAB 2

Future Technology Trend

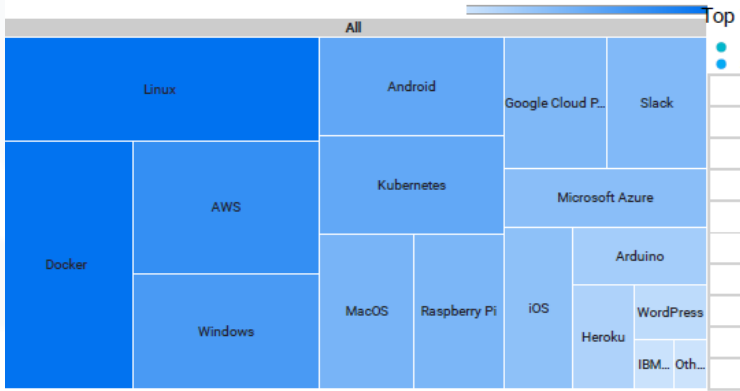
Top 10 Language Desire Next Year



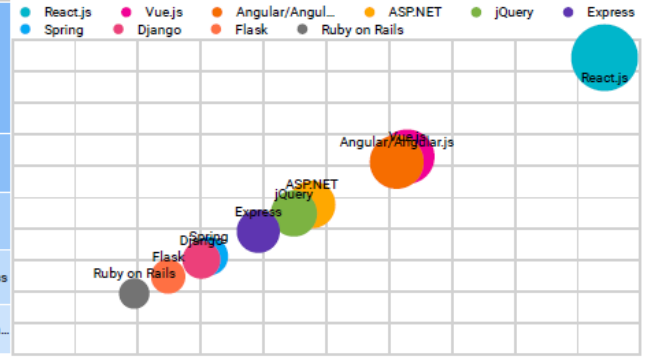
Top 10 Database Desire Next Year



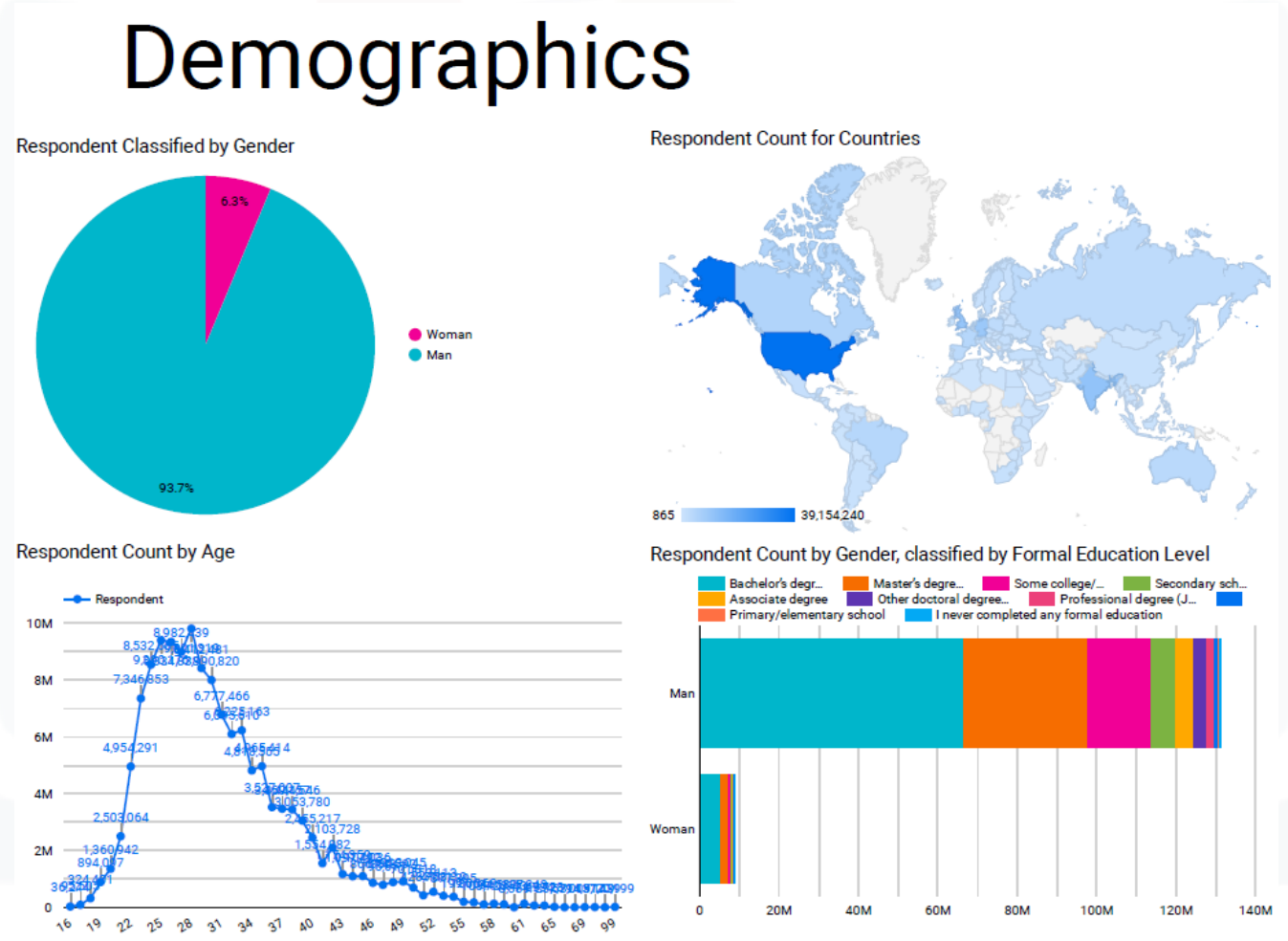
Platform Desire Next Year



Top 10 Web Frame Desire Next Year



DASHBOARD TAB 3



DISCUSSION

- Technology Trends
- Reskilling Workers
- Gender Equality
- Adaptation of new Technology
- Job opportunity

OVERALL FINDINGS & IMPLICATIONS

Findings

- Rapid Changing Technology
- Concentration on countries like USA and India
- Age & Gender Gap

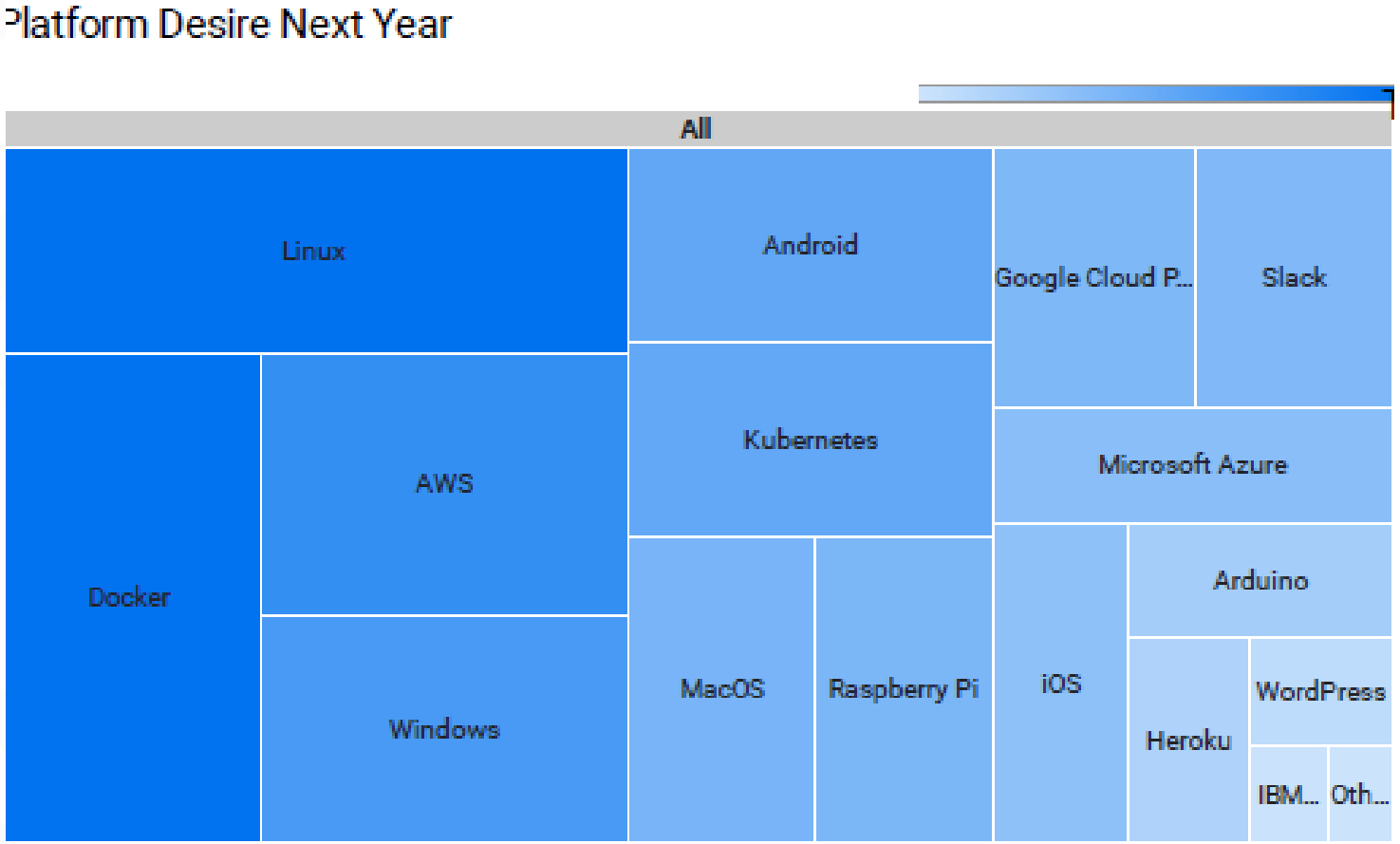
Implications

- Companies should adapt new technologies
- Introduce Schemes to bridge the age and gender gap
- Increase the hiring for new Technology Jobs

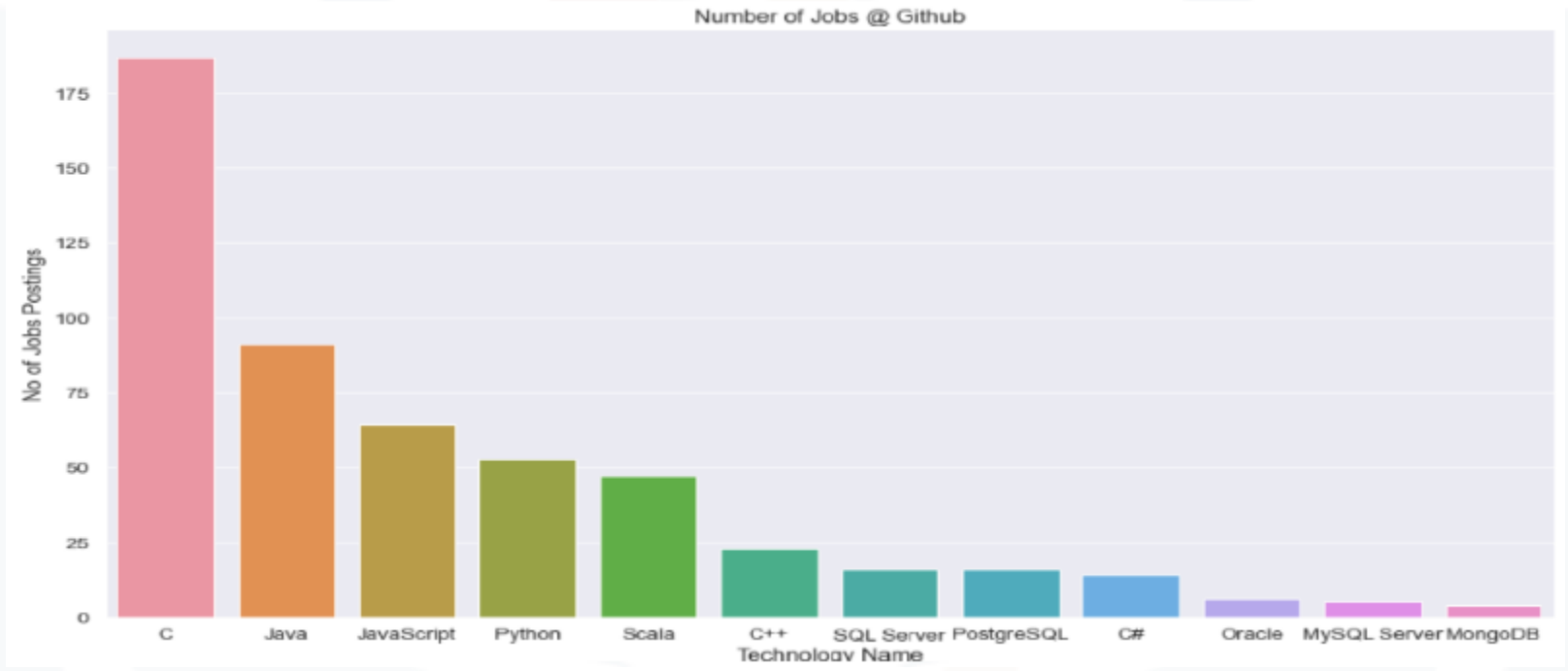
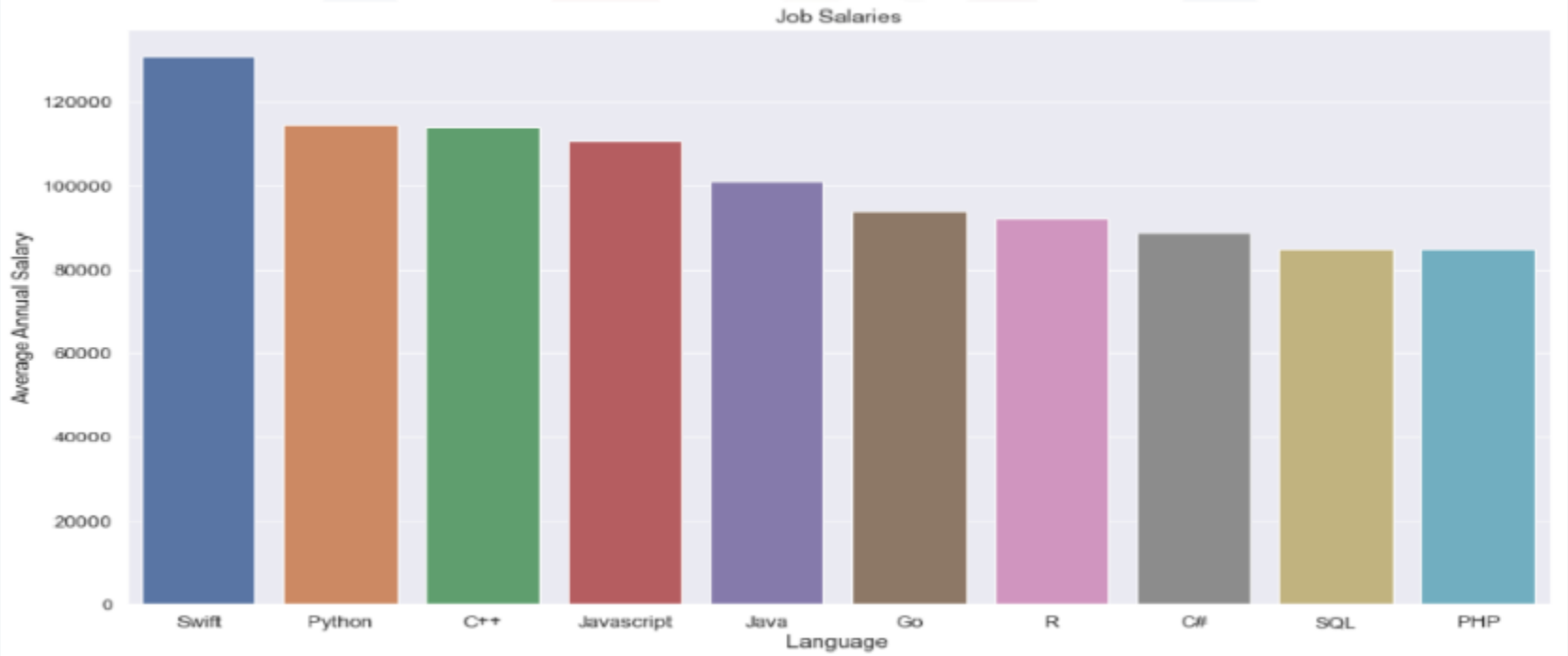
CONCLUSION

- Technology Trends
- Demographics Overview
- Future Skills and preferences
- Technology to Adapt

APPENDIX


Platform Desire Next Year
All
Linux
Android
Google Cloud P...
Slack
Docker
AWS
Kubernetes
Microsoft Azure
Windows
MacOS
Raspberry Pi
iOS
Arduino
Heroku
WordPress
IBM...
Oth...

JOB POSTINGS



POPULAR LANGUAGES