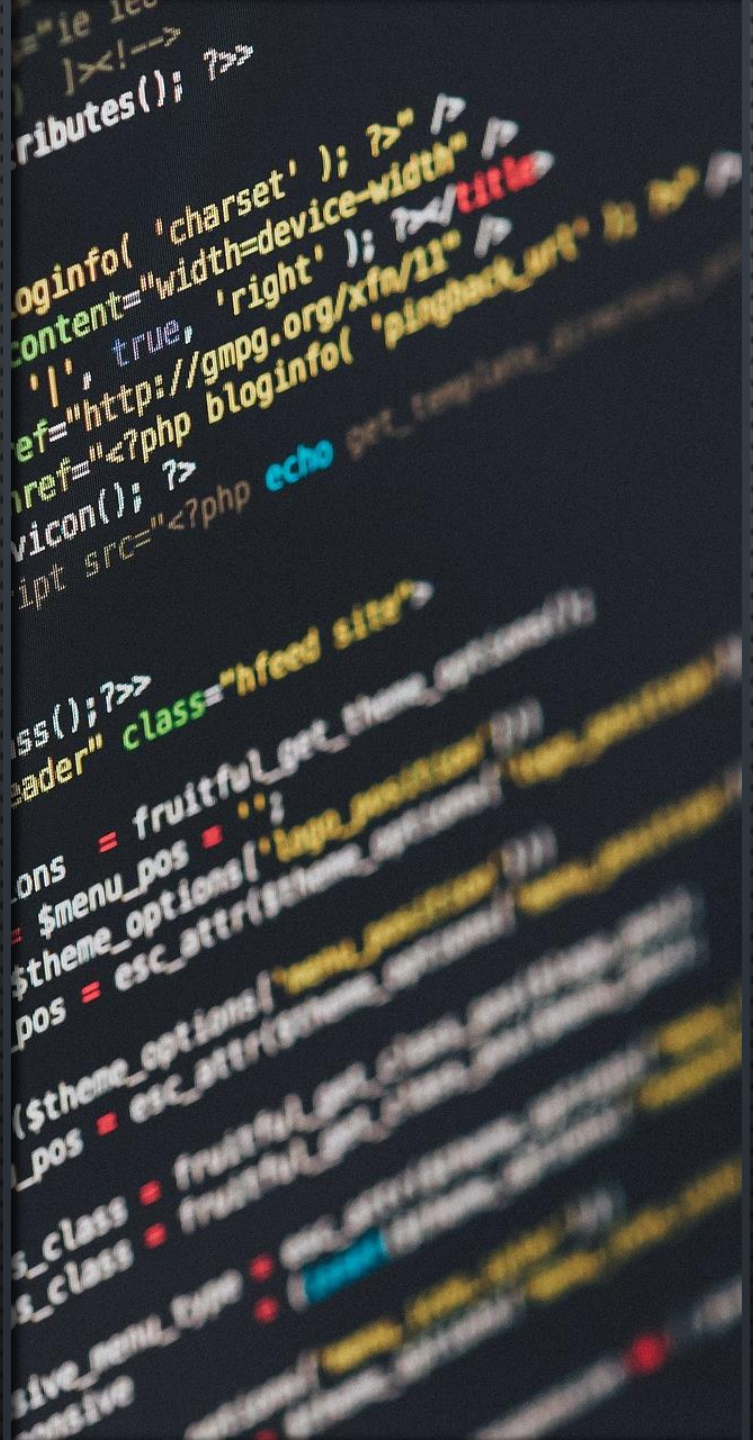
TECHNOLOGY TRENDS

ZAID AHAMED

09/04/2023



OUTLINE

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

EXECUTIVE SUMMARY

- JAVASCRIPT AND PYTHON ARE THE MOST USED LANGUAGES IN FUTURE
- NoSQL DATABASES LIKE MONGODB, ELASTICSEARCH ARE ALSO HIGHLY USED IN FUTURE
- THERE ARE NO DIFFERENCE IN PLATFORM USED IN CURRENT AND FUTURE TRENDS
- JAVASCRIPT BASED WEBFRAMWORKS LIKE REACTJS, ANGULARJS ARE MOSTLY USED IN FUTURE
- MOST OF OUR RESPONDENTS ARE MAN AND MOST OF THEM ARE FROM UNITED STATES
- MOST OF OUR RESPNDENTS ARE BETWEEN 23 AND 31 YEARS OLD
- MOST OF OUR RESPONDENTS HOLDS A BACHELORS DEGREE

INTRODUCTION

CURRENT TECHNOLOGY USAGES

- Top languages in current technology
- Top databases in current technology
- Platforms worked with current technology
- Top frameworks in current technology

FUTURE TECHNLOGY TRENDS

- Top languages desire next year
- Top databases desire next year
- Platforms desire next year
- Top frameworks desire next year

CATEGORIES OF OUR RESPONDENTS

- Respondent classified by gender
- Respondent count for countries
- Respondent count by age
- Respondent classified by formal education

METHODOLOGY

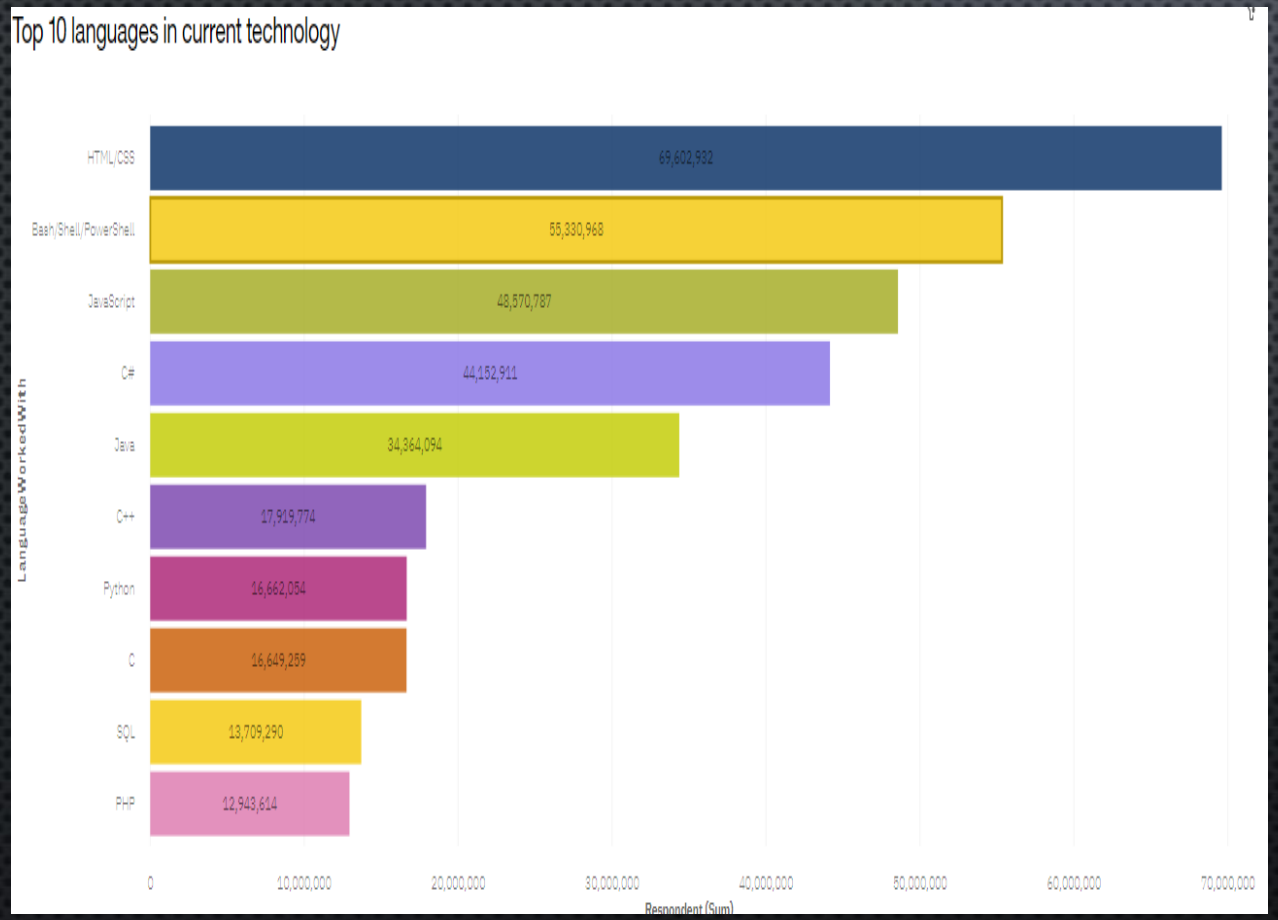
DATA COLLECTION	Our primary data source is internet We collect our data through under open database license
DATA ANALYSIS	Raw data obtained from sources were subjected to a thorough cleaning process. This involved removing duplicates, addressing missing values, and standardizing data formats to ensure consistency and accuracy. Initial data analysis involved descriptive statistics, summarizing key characteristics. We employed statistical analysis techniques such as correlation analysis.
TREND IDENTIFICATION AND CLASSIFICATION	We established clear criteria for including a technology trend in our analysis Technology trends were categorized based on their primary domains, such as top languages, databases, platforms, web frameworks.

RESULTS

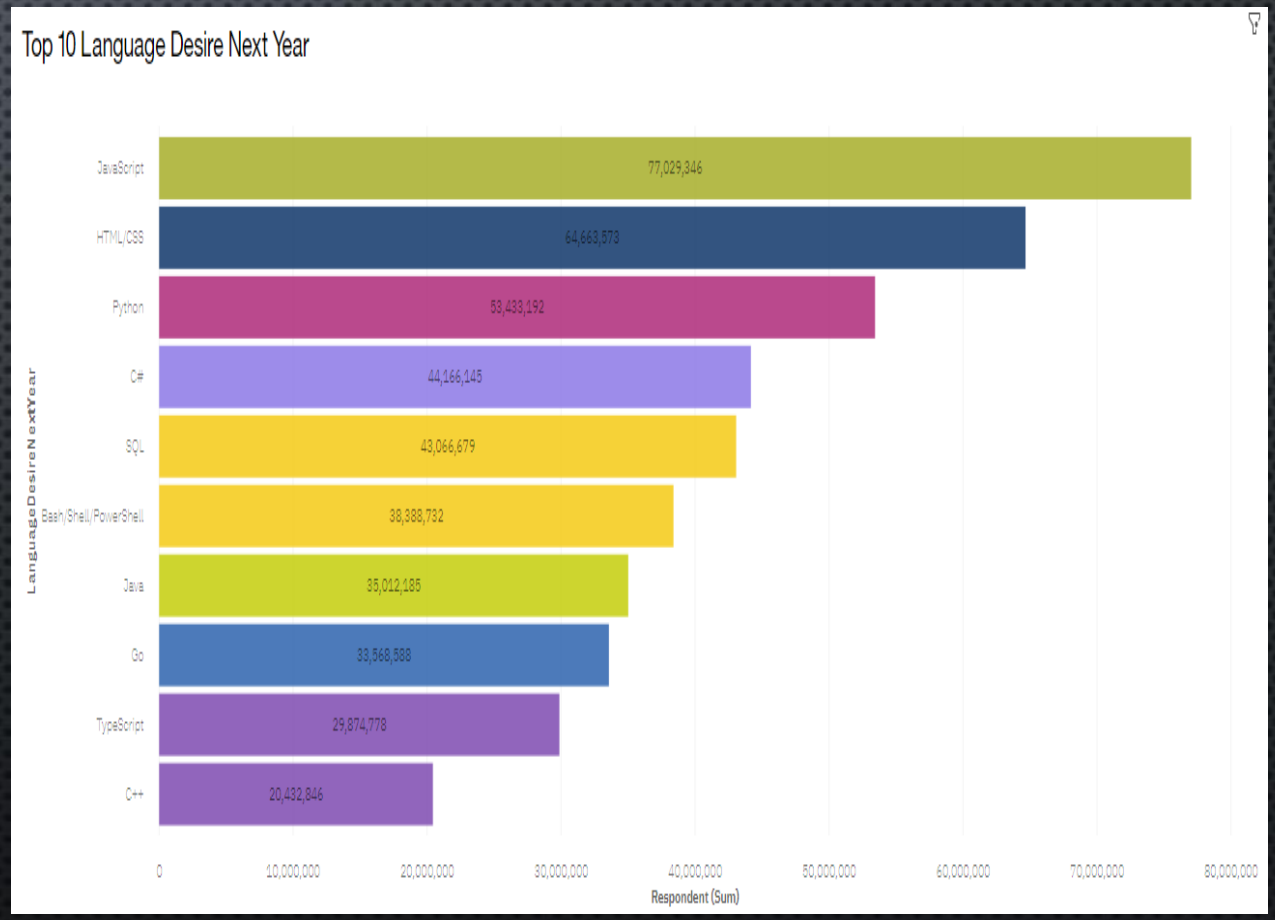
- JAVASCRIPT AND PYTHON ARE THE MOST USED LANGUAGES IN FUTURE
- NoSQL DATABASES LIKE MONGODB, ELASTICSEARCH ARE ALSO HIGHLY USED IN FUTURE
- THERE ARE NO DIFFERENCE IN PLATFORM USED IN CURRENT AND FUTURE TRENDS
- JAVASCRIPT BASED WEBFRAMWORKS LIKE REACTJS, ANGULARJS ARE MOSTLY USED IN FUTURE
- MOST OF OUR RESPONDENTS ARE MAN AND MOST OF THEM ARE FROM UNITED STATES
- MOST OF OUR RESPNDENTS ARE BETWEEN 23 AND 31 YEARS OLD
- MOST OF OUR RESPONDENTS HOLDS A BACHELORS DEGREE

PROGRAMMING LANGUAGE TRENDS

CURRENT YEAR



NEXT YEAR

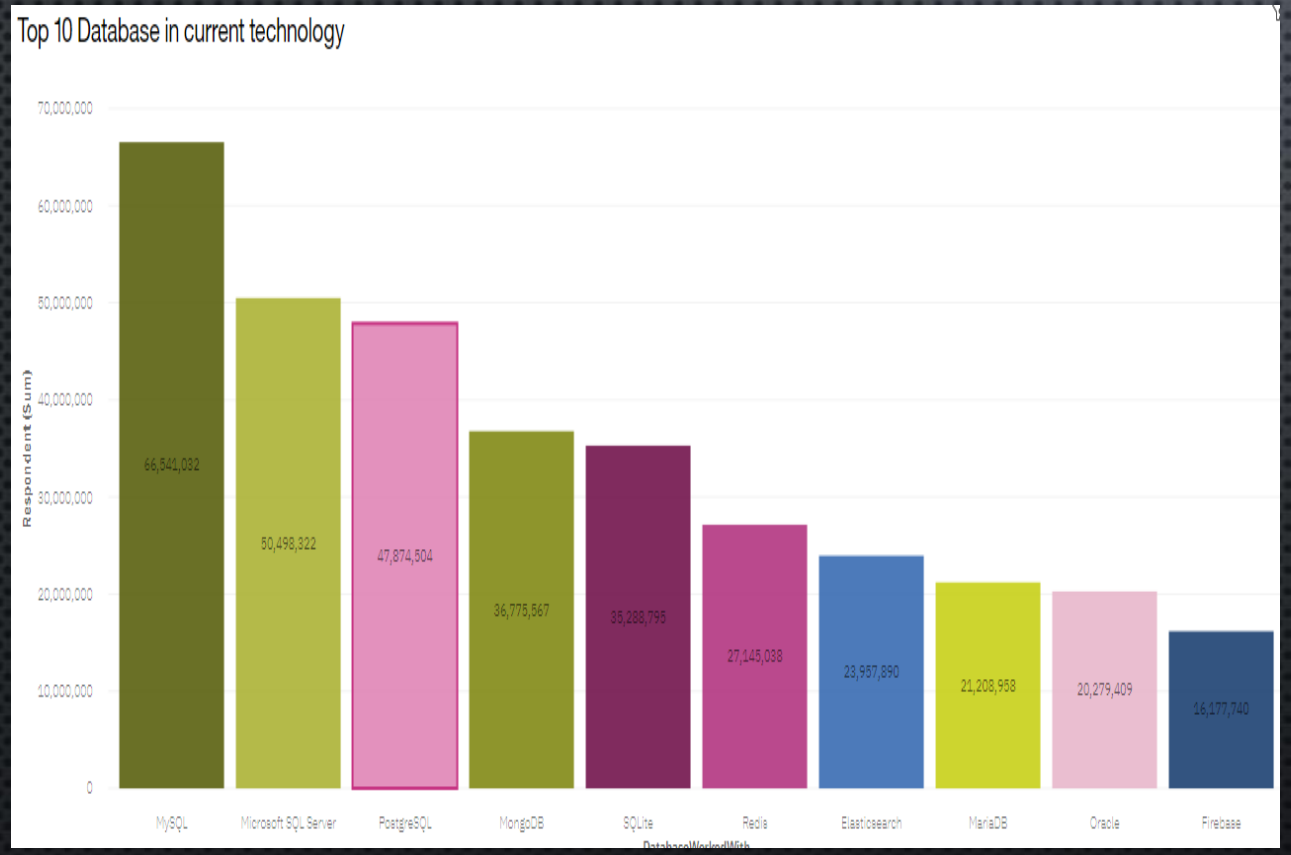


PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

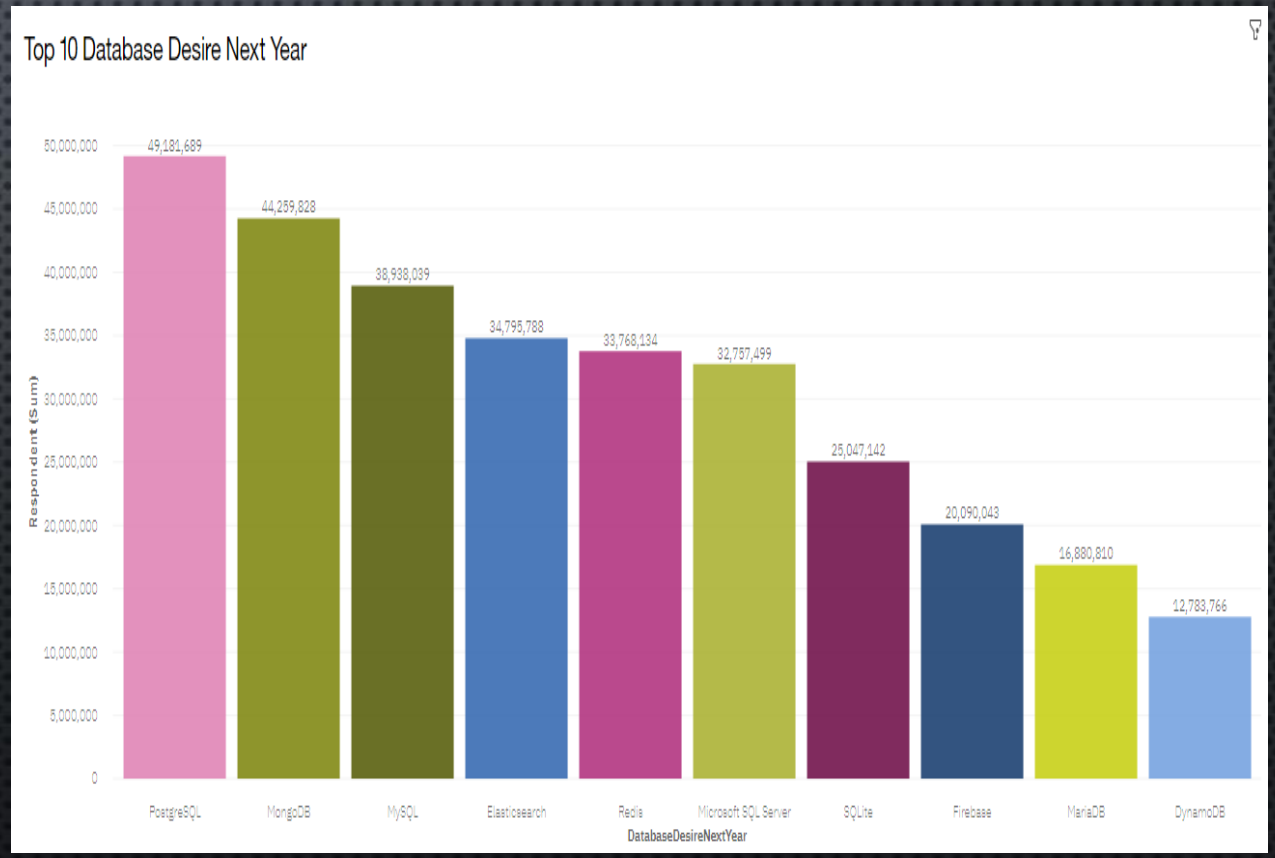
- CURRENTLY WEB BASED LANGUAGES LIKE HTML AND ARE POPULAR
- JAVASCRIPT AND PYTHON ARE THE MOST USED LANGUAGES IN FUTURE
- DATABASE LANGUAGE LIKE SQL IS ALSO TRENDING IN FUTURE
- NEW LANGUAGES LIKE GO AND TYPESCRIPT ARE TRENDING IN FUTURE
- LANGUAGES LIKE C AND PHP ARE NOT LIKELY USING IN FUTURE

DATABASE TRENDS

CURRENT YEAR



NEXT YEAR



DATABASE TRENDS - FINDINGS & IMPLICATIONS

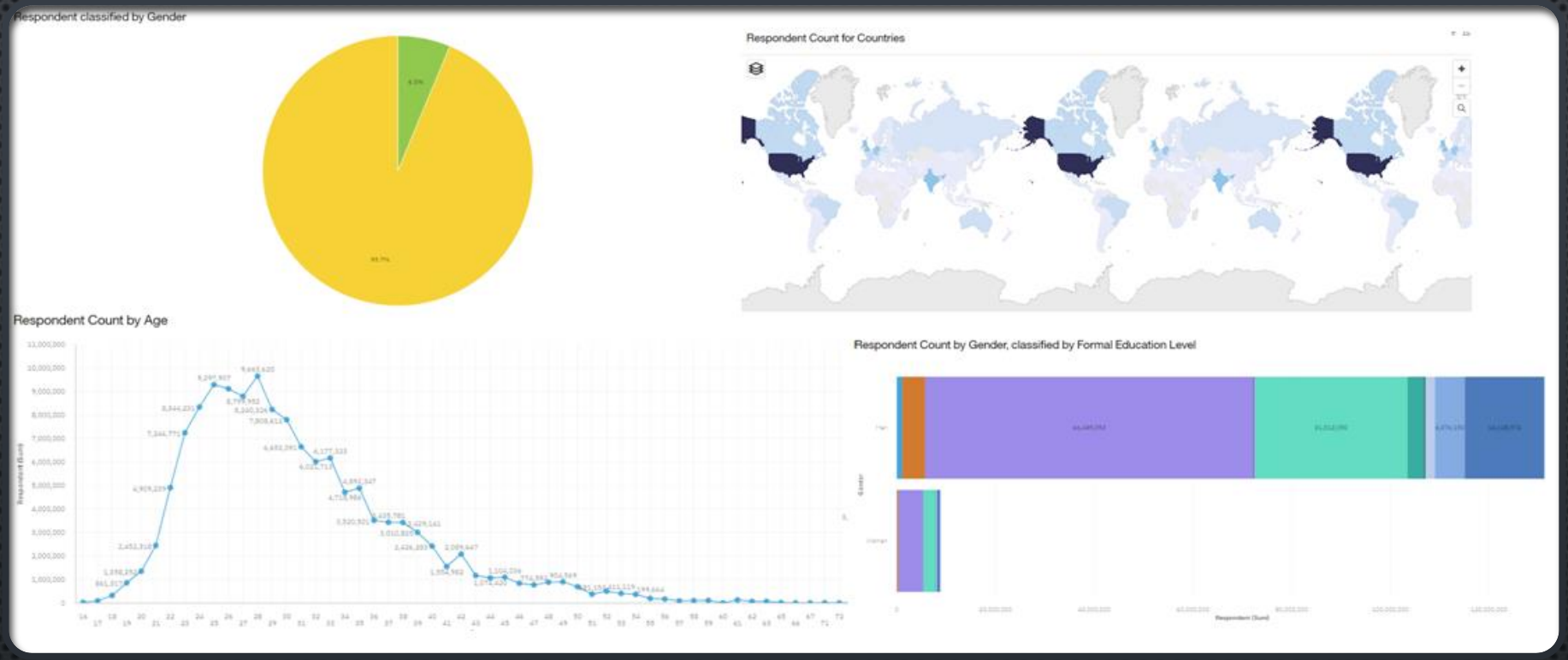
- CURRENTLY RELATIONAL DATABASES LIKE MYSQL AND MICROSOFT SQL SERVER ARE POPULAR
- POSTEGRE SQL DATABASE IS TRENDING IN FUTURE
- NOSQL DATABASES LIKE MONGODB, ELASTICSEARCH ARE ALSO HIGHLY USED IN FUTURE
- NEW DATABASE LIKE DYNAMODB IS TRENDING IN FUTURE
- DATABASE LIKE ORACLE IS NOT LIKELY USING IN FUTURE

DASHBOARD

CLICK HERE TO VIEW THE DASHBOARD

DASHBOARD TAB 1

DASHBOARD TAB 2



DASHBOARD TAB 3

DISCUSSION

- THE FINDINGS OF THIS ANALYSIS OFFER VALUABLE INSIGHTS INTO THE TRENDS SHAPING THE TECHNOLOGICAL LANDSCAPE IN PROGRAMMING LANGUAGE, DATABASES, PLATFORMS, WEB FRAMEWORKS SECTORS.
- THE MOST USED LANGUAGES IN FUTURE ARE CHANGES WITH CURRENT USING LANGUAGES. NEW LANGUAGES ARE TRENDING IN FUTURE AND SOME OF THE LANGUAGES ARE NOT LIKELY USING IN FUTURE.
- THE MOST USED DATABASES IN FUTURE ARE CHANGES WITH CURRENT USING DATABASES . NEW DATABASES ARE TRENDING IN FUTURE AND SOME OF THE DATABASES ARE NOT LIKELY USING IN FUTURE.
- THERE ARE NO DIFFERENCE IN PLATFORM USED IN CURRENT AND FUTURE TRENDS AND JAVASCRIPT BASED WEBFRAMWORKS LIKE REACTJS, ANGULARJS ARE MOSTLY USED IN FUTURE

OVERALL FINDINGS & IMPLICATIONS

FINDINGS

- MOST OF OUR RESPONDENTS ARE MAN.
- MOST OF THEM ARE FROM UNITED STATES .
- MOST OF OUR RESPNDENTS ARE BETWEEN 23 AND 31 YEARS OLD .
- MOST OF OUR RESPONDENTS HOLDS A BACHELORS DEGREE.

IMPLICATIONS

- THE OVERREPRESENTATION OF MEN AMONG RESPONDENTS MAY LEAD TO GENDER-BIASED INSIGHTS IN YOUR ANALYSIS.
- GIVEN THAT A SIGNIFICANT PORTION OF YOUR RESPONDENTS ARE FROM THE UNITED STATES, YOUR FINDINGS MAY BE PARTICULARLY RELEVANT TO THIS REGION.
- THE CONCENTRATION OF RESPONDENTS BETWEEN THE AGES OF 23 AND 31 SUGGESTS THAT YOUR FINDINGS MAY BE MORE REFLECTIVE OF THE PREFERENCES AND BEHAVIORS OF THIS AGE GROUP.
- THE PREVALENCE OF RESPONDENTS HOLDING BACHELOR'S DEGREES INDICATES A HIGHER LEVEL OF EDUCATION AMONG YOUR SAMPLE.

CONCLUSION

- IN CONCLUSION, THESE FINDINGS OFFER VALUABLE GUIDANCE FOR ORGANIZATIONS AND STAKEHOLDERS IN THE TECHNOLOGY SECTOR. EMBRACING JAVASCRIPT AND PYTHON, EXPLORING NOSQL DATABASE SOLUTIONS, MAINTAINING PLATFORM CONSISTENCY, AND LEVERAGING JAVASCRIPT-BASED WEB FRAMEWORKS ARE ESSENTIAL STEPS FOR REMAINING COMPETITIVE IN THE EVOLVING TECH LANDSCAPE. ADDITIONALLY, ADDRESSING DEMOGRAPHIC BIASES IN FUTURE RESEARCH EFFORTS WILL ENSURE MORE COMPREHENSIVE AND REPRESENTATIVE INSIGHTS FOR INFORMED DECISION-MAKING. ULTIMATELY, STAYING ATTUNED TO THESE TRENDS AND DEMOGRAPHIC PROFILES IS VITAL FOR SUCCESS IN THE DYNAMIC WORLD OF TECHNOLOGY