



Analysis- Patterns and trends

RAMADEVI PARUCHURI
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OUTLINE



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

EXECUTIVE SUMMARY



- Data Summarization
- Description
 - Collection
 - Analysis
 - Visualization
- Presentation of results
- Discussion
- Conclusion

METHODOLOGY



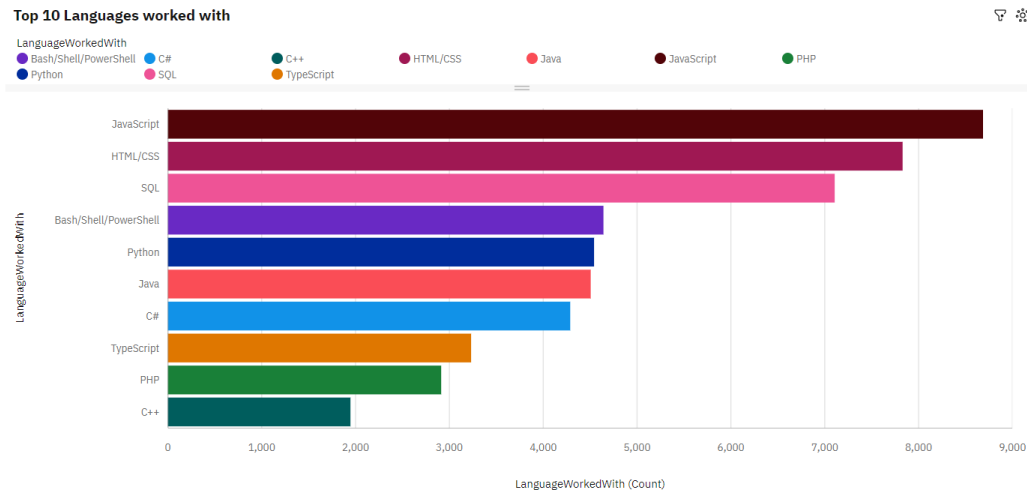
- Data Collection
- Data Wrangling
- Exploratory data analysis
- Data visualization
 - Dashboard creation
 - Findings and reports

RESULTS

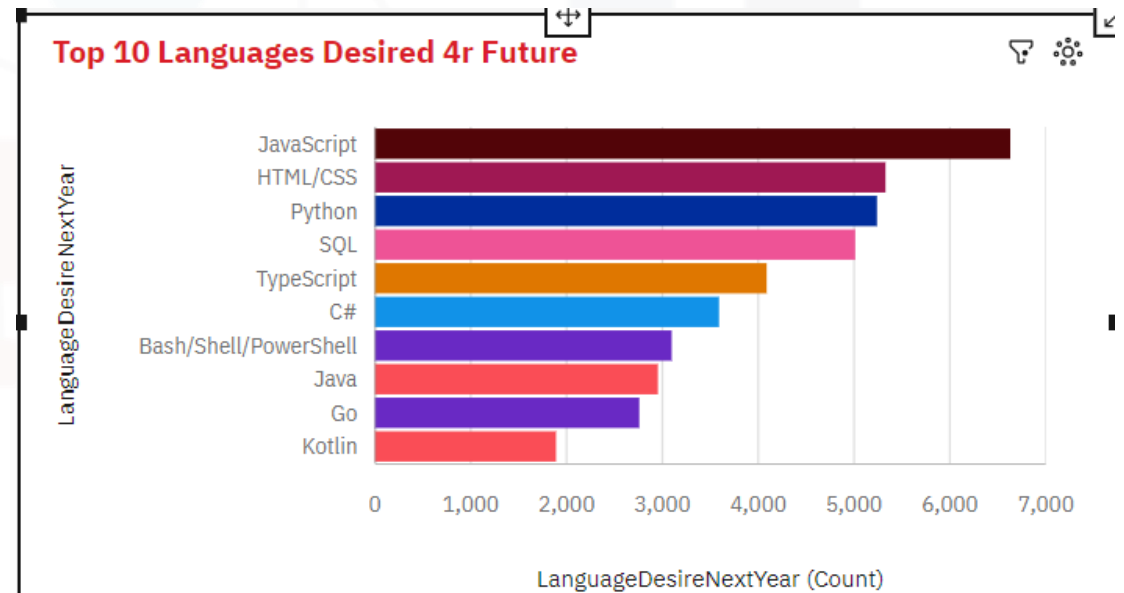


PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- The top three are JavaScript, SQL and python
- The least of top 10 is C++

Implications

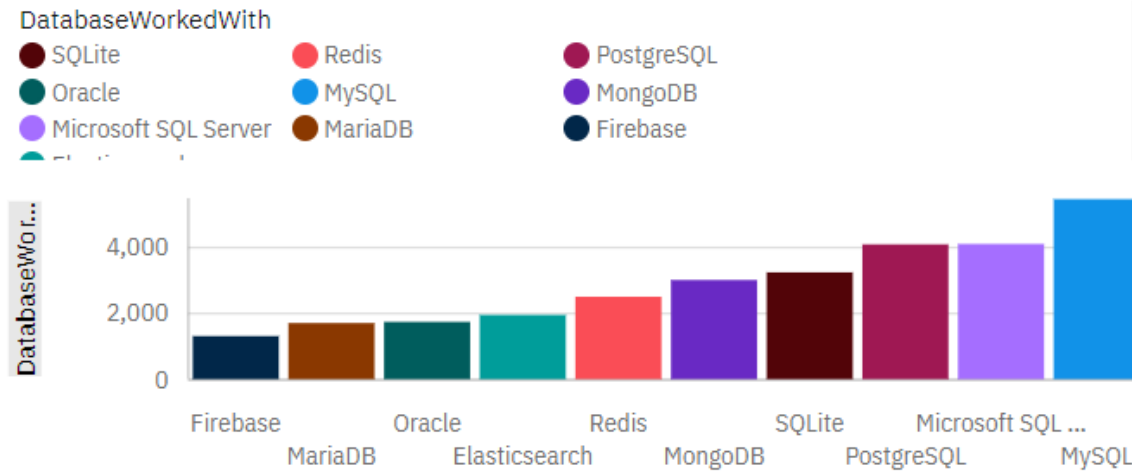
- HTML/CSS replaced the SQL
- Python remains in same
- While Kotlin being last

DATABASE TRENDS

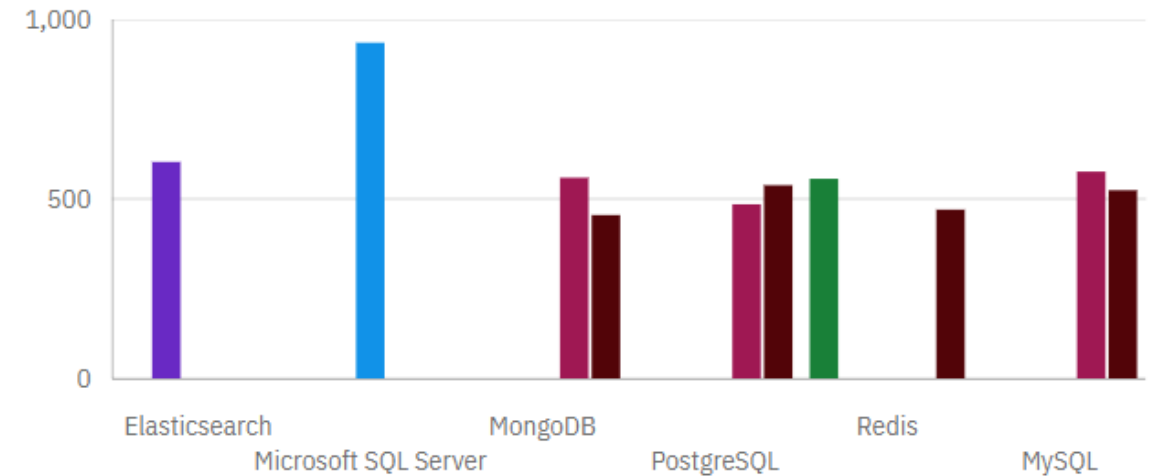
Current Year

Next Year

Top 10 Database Worked with



10 databases desired 4r future



DatabaseWorkedWith

DatabaseDesireNextYear

DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Most popular is MySQL
- Least is Microsoft SQL
- Growth in PostgreSQL

Implications

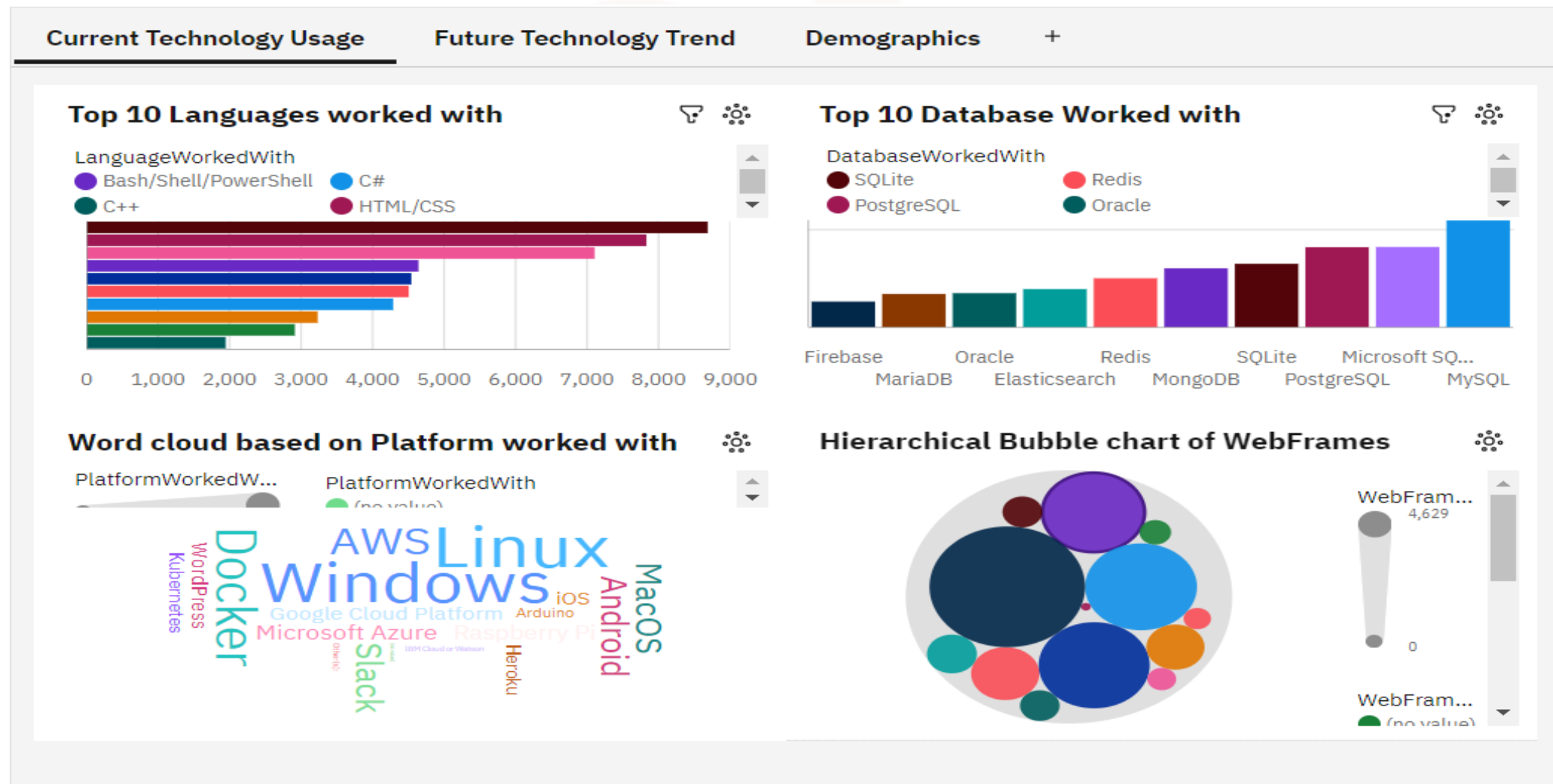
- Open sources are quite remarkable
- PostgreSQL and mongodb establishing zone

DASHBOARD

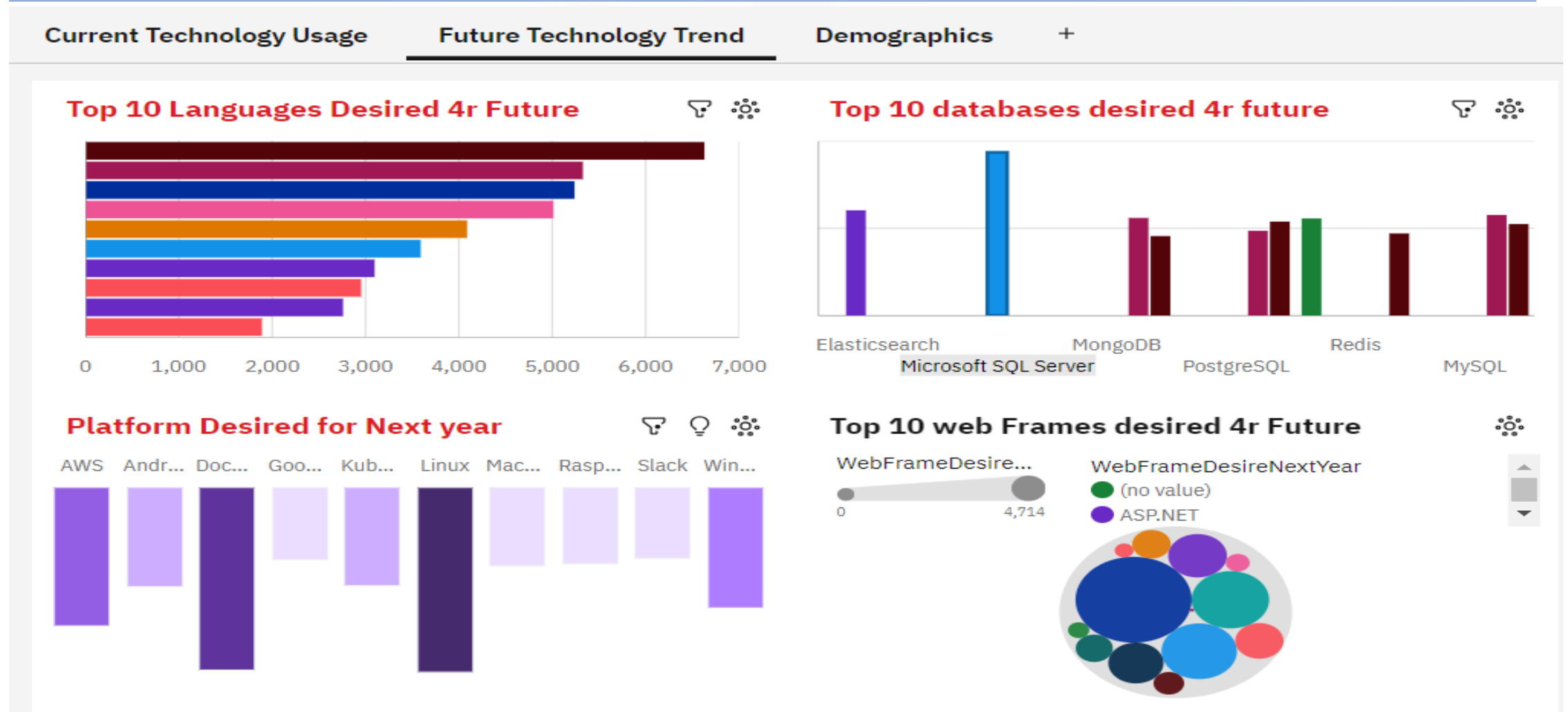


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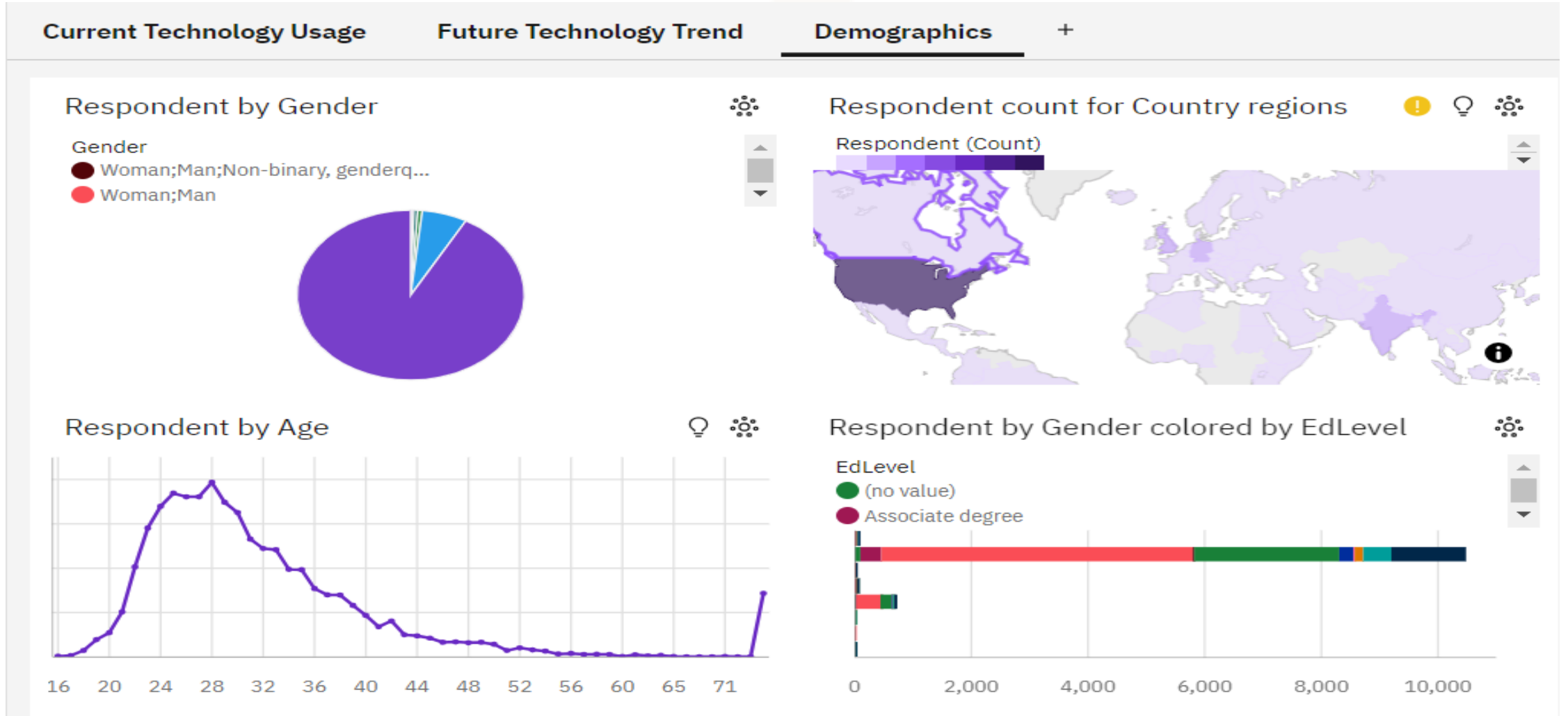
DASHBOARD TAB 1



DASHBOARD TAB 2



DASHBOARD TAB 3



DISCUSSION



- Finding patterns
- Anomalies
- Trends over time
- Gender and age
- Specifications

OVERALL FINDINGS & IMPLICATIONS

Findings

- Platforms
- Fast growing Technologies
- Rapid growth in Languages
- Gender gap specifications and jobs

Implications

- Flexibility
- Rapid changes
- Impact

CONCLUSION



- Patterns and trends change over time
- The languages learning is increasing rapidly
- Detection of jobs on gender basis

POPULAR LANGUAGES

The descending order is:

- Swift
- Python
- C++
- JavaScript
- Java
- Go
- C#
- SQL
- PHP