TECHNOLOGY TRENDS

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OUTLINE

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

EXECUTIVE SUMMARY

This report covers three key areas:

- Exploring the Current Landscape of Technology Usage: Trends and Insights
- Key Technology Trends to Watch in the Coming Year
- Understanding the Demographics of the Tech Industry

CONTENTS

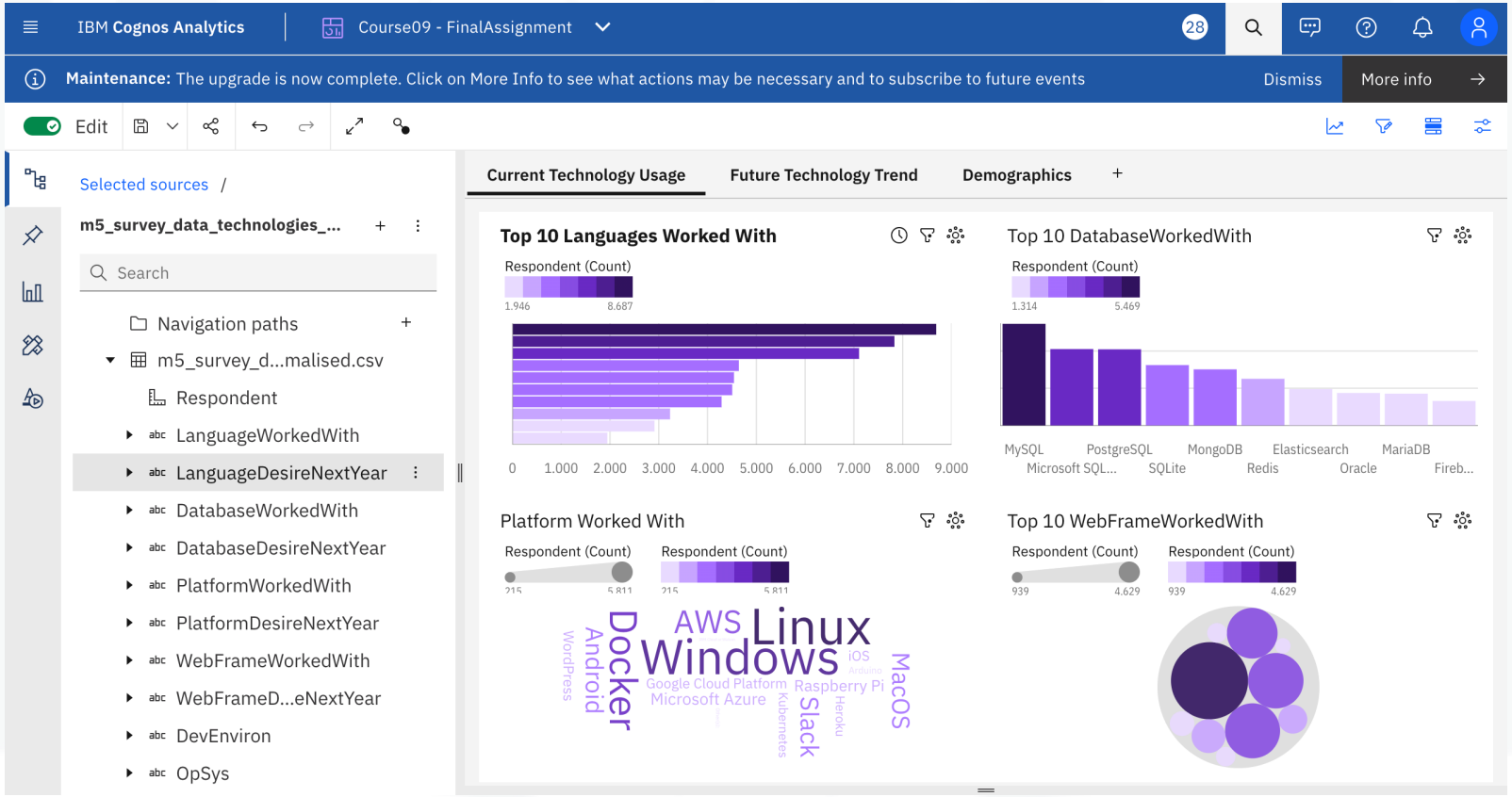
- Technology Shifts: Comparing Current and Next Year's Trends in
  - Programming Language
  - Database
  - Platform
  - Web framework
- Tech Workforce Demographics: A Breakdown of
  - Gender
  - Age
  - Education
  - Global Distribution

METHODOLOGY

- Data Collection Sources
  - Stack Overflow Developer 2019 Survey
  - GitHub Job Postings
  - Programming Languages Annual Salary
- Data Exploration
- Data Cleaning
- Data Visualization
- Presentation

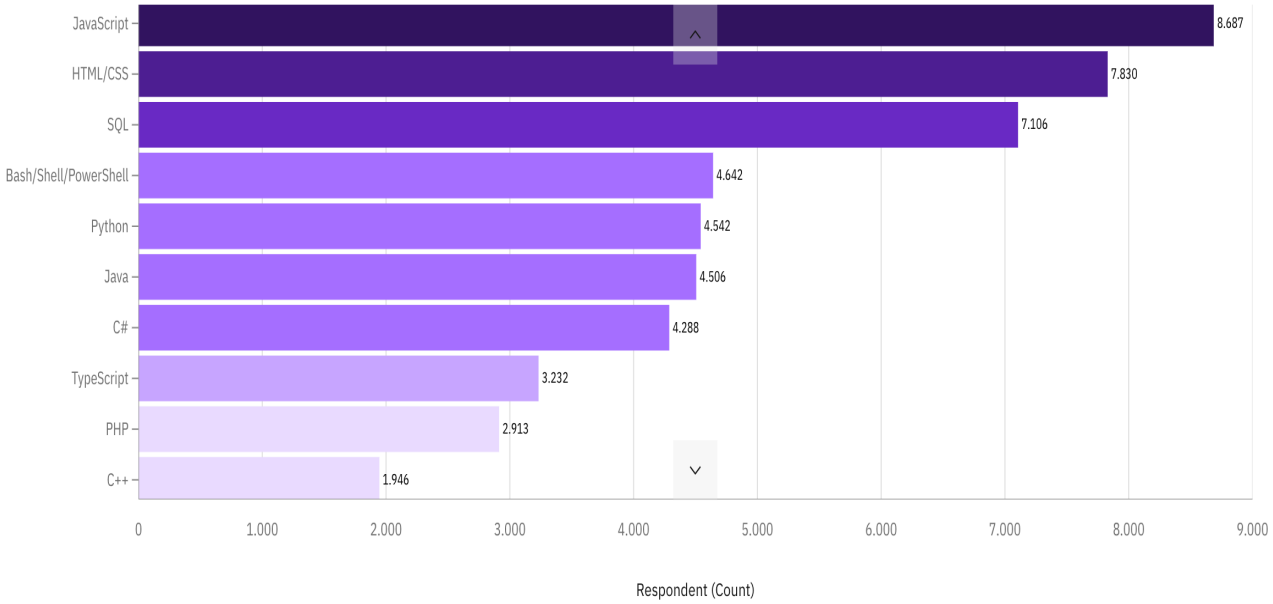
RESULTS

Dashboard and Slide Visualizing Data with Findings & Implications"

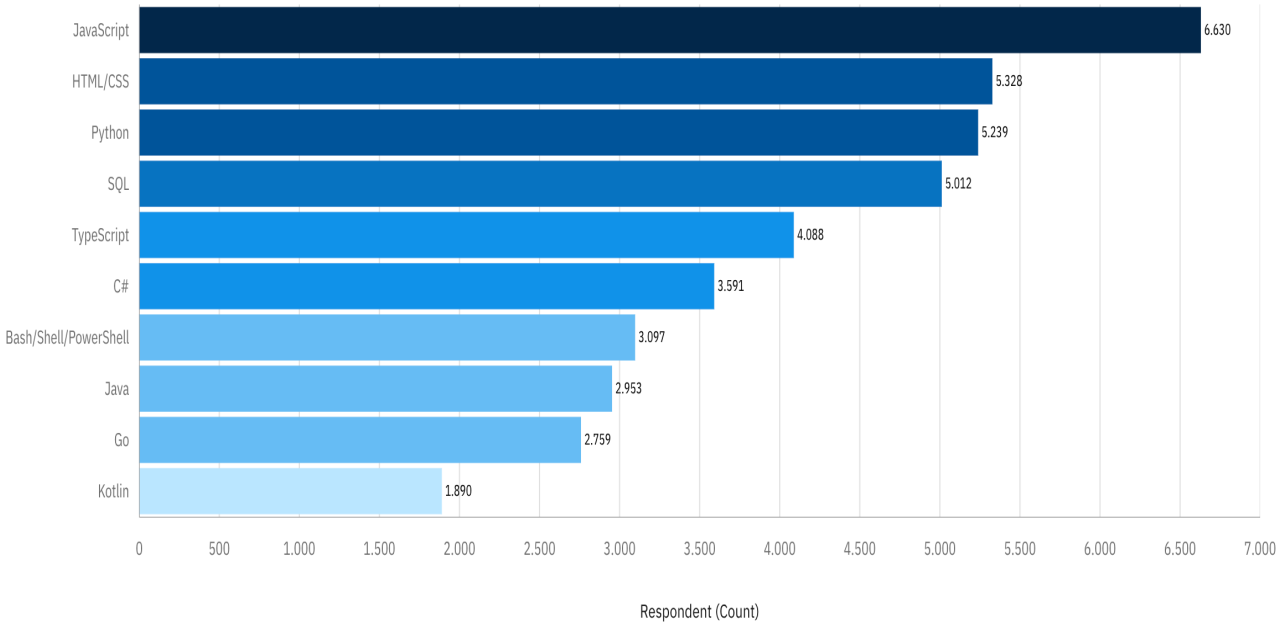


PROGRAMMING LANGUAGE TRENDS

Current Year

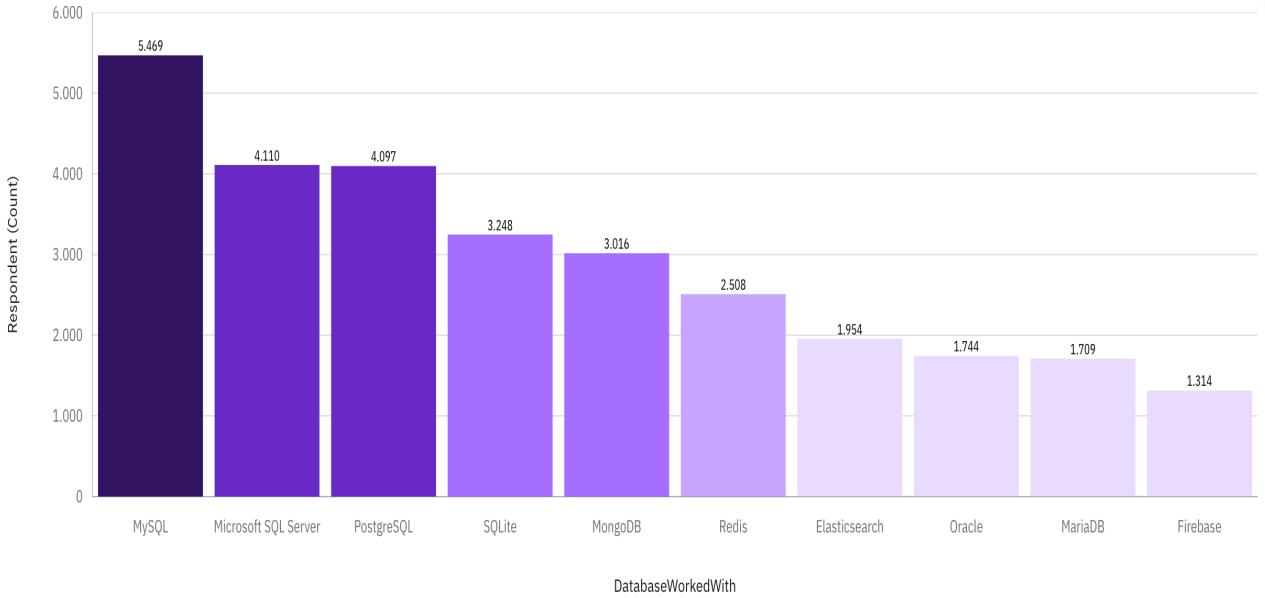


Next Year

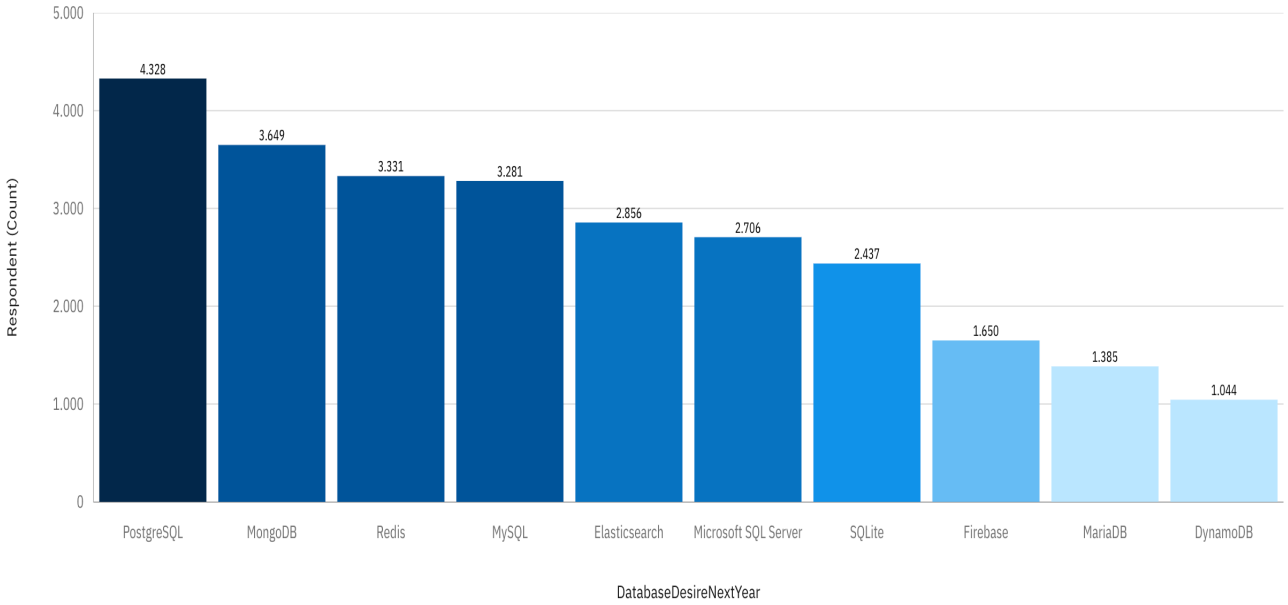


DATABASE TRENDS

Current Year



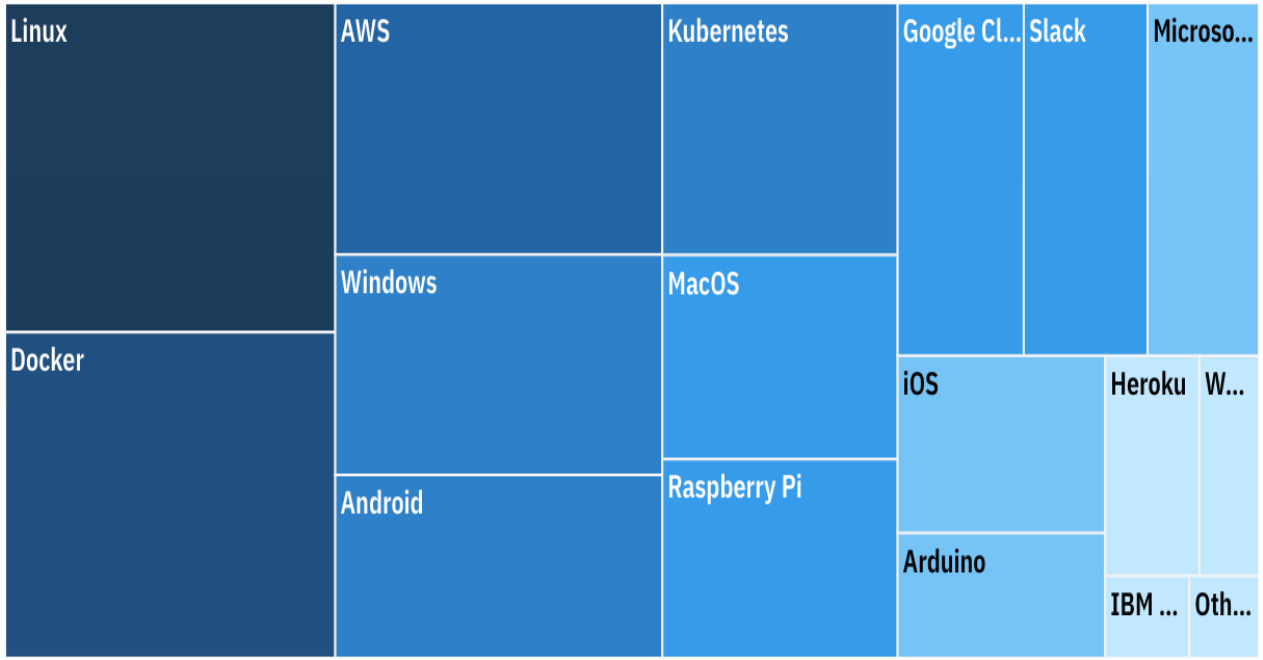
Next Year



PLATFORM TRENDS

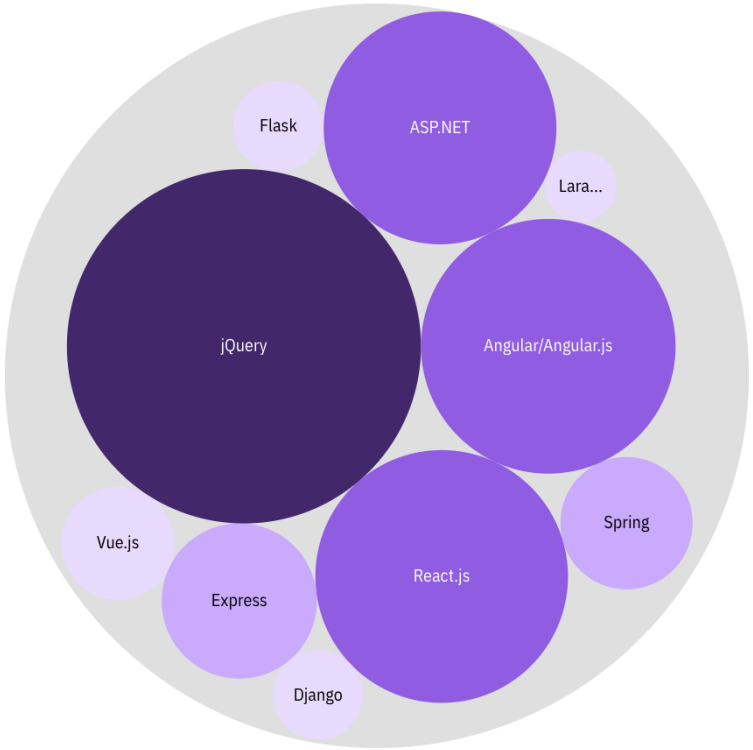
Current Year

Next Year

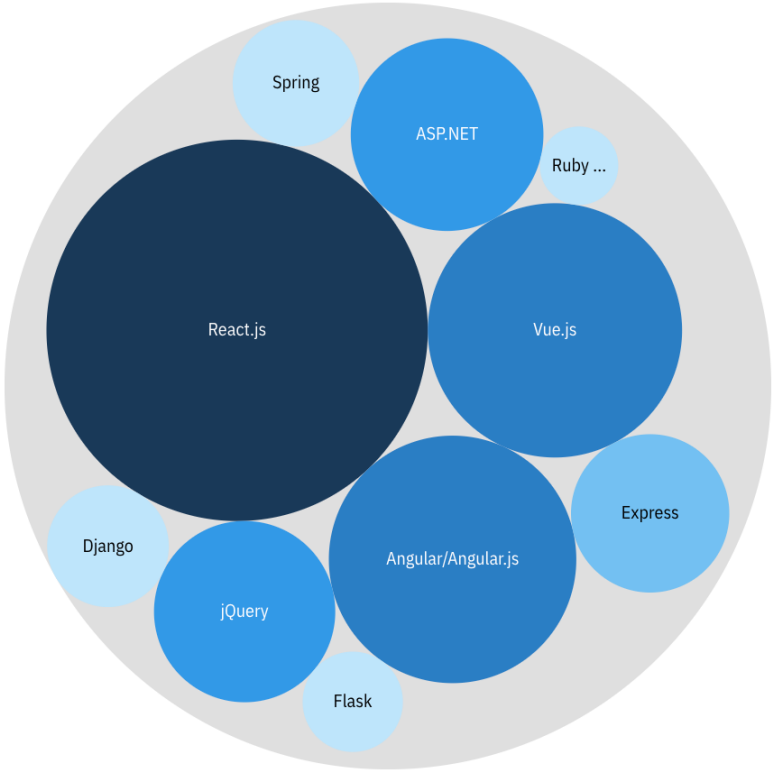


WEB FRAMEWORK TRENDS

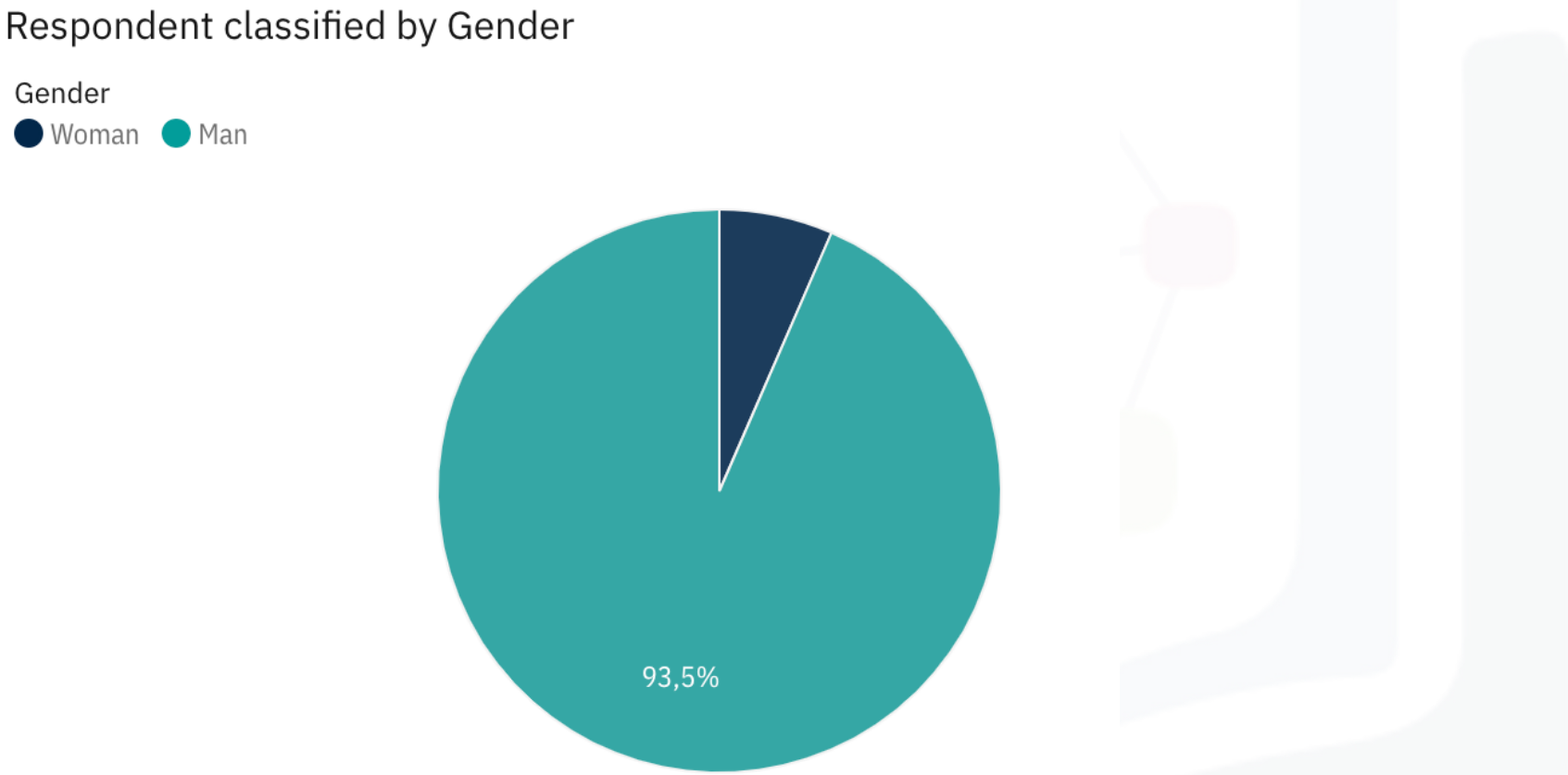
Current Year



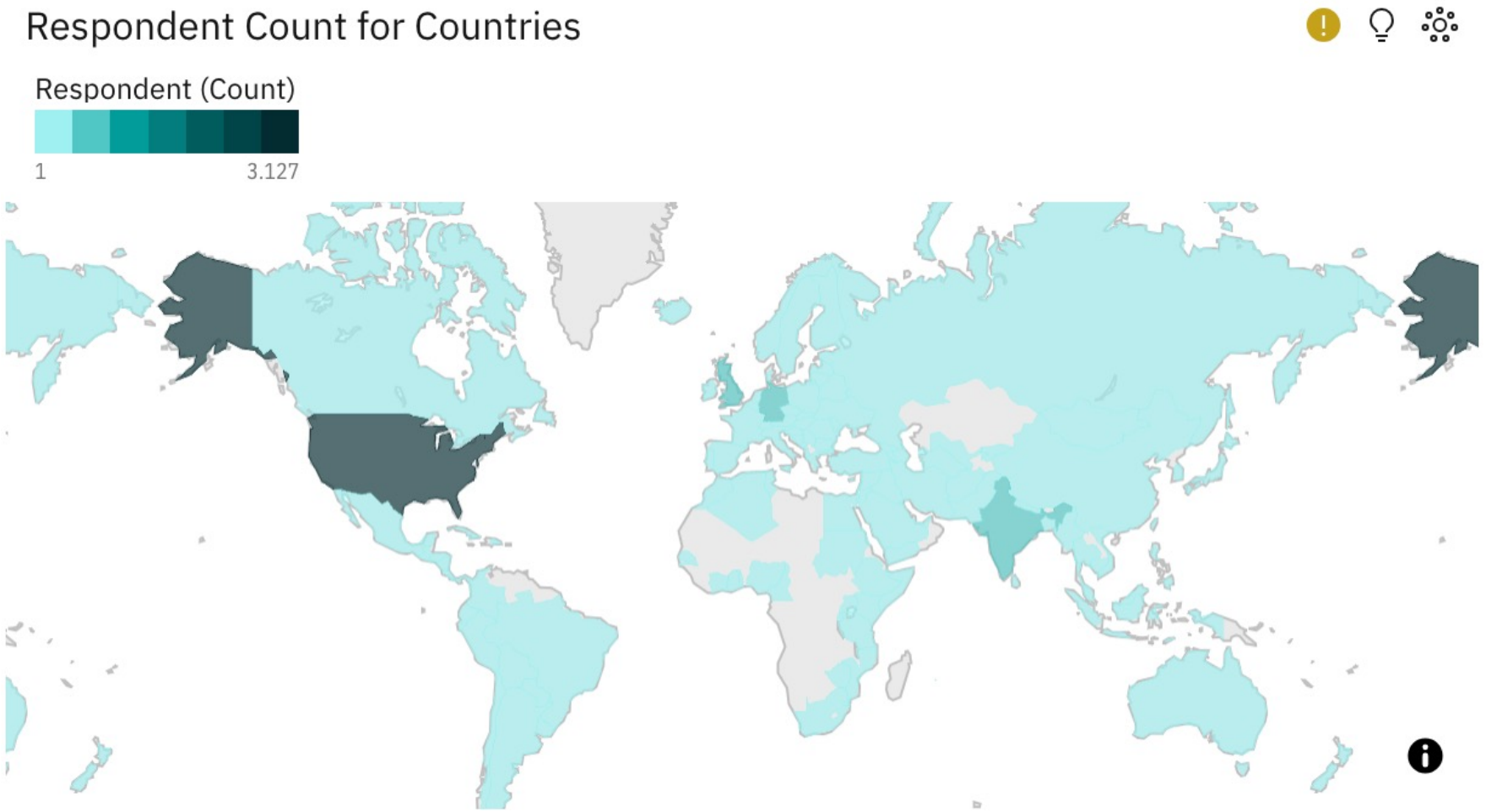
Next Year



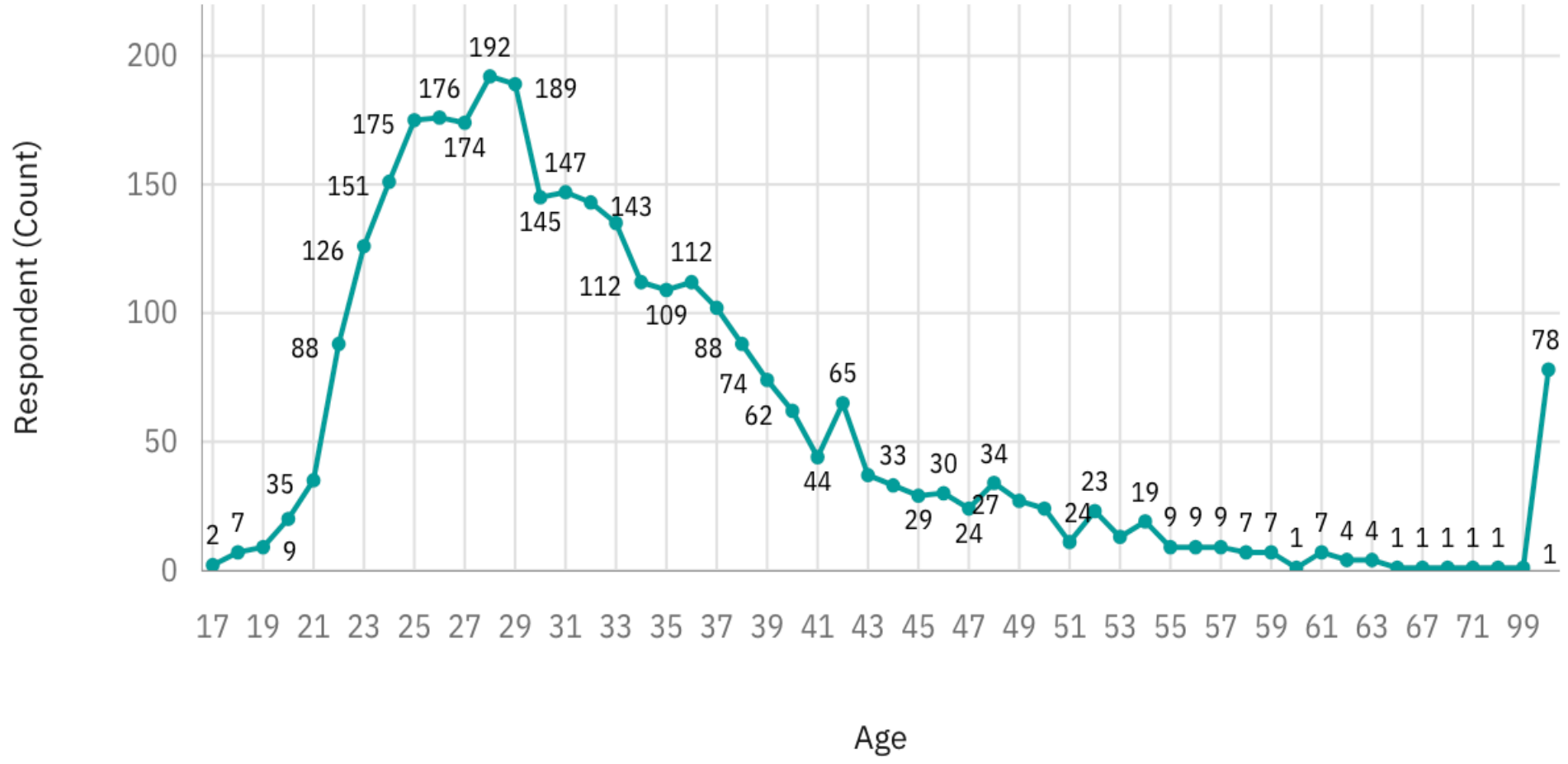
A gender-based analysis



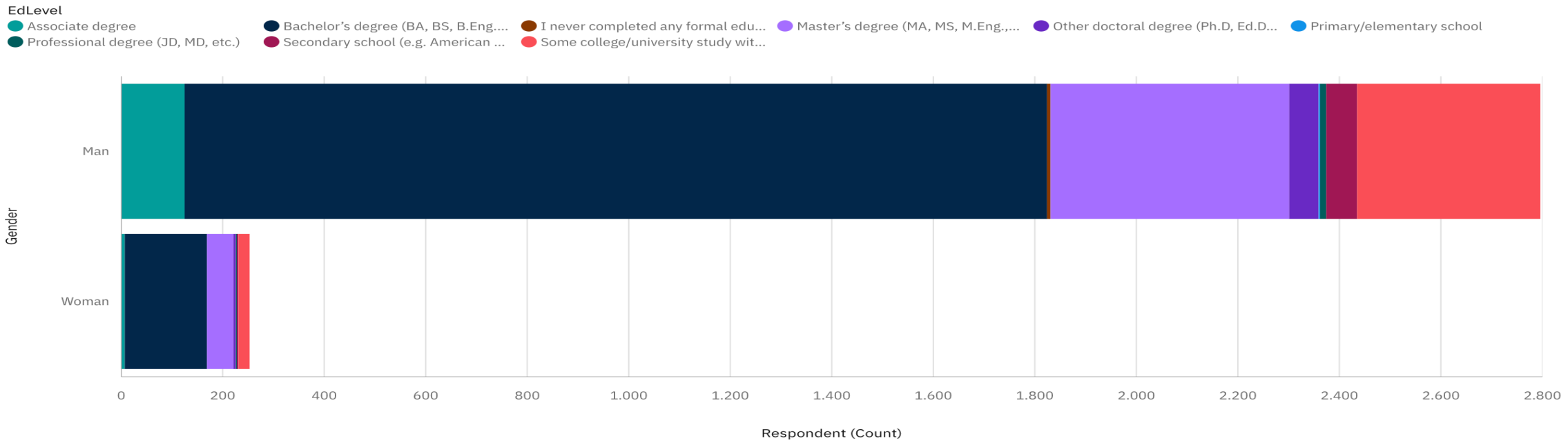
Respondent distribution across countries



The number of respondents in different age groups



The respondents classified by gender (Gender) and further categorized by their education level

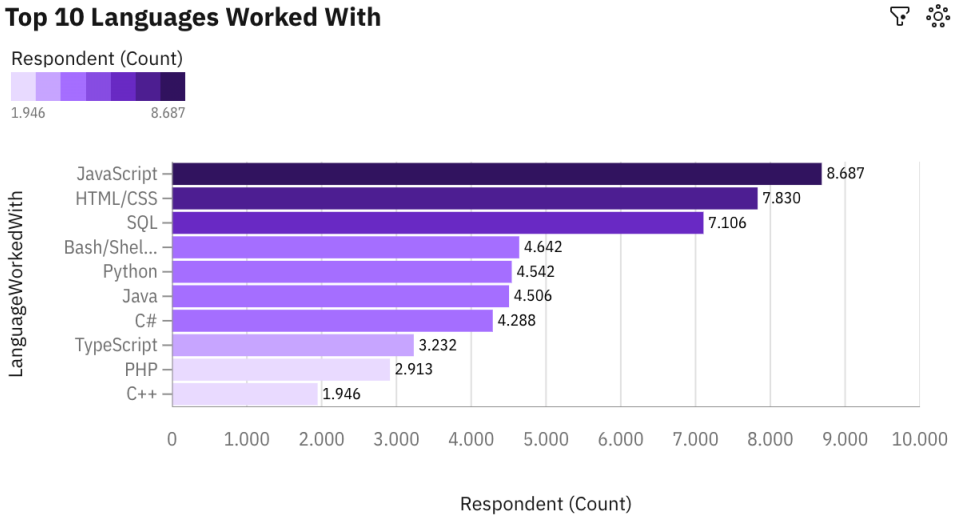


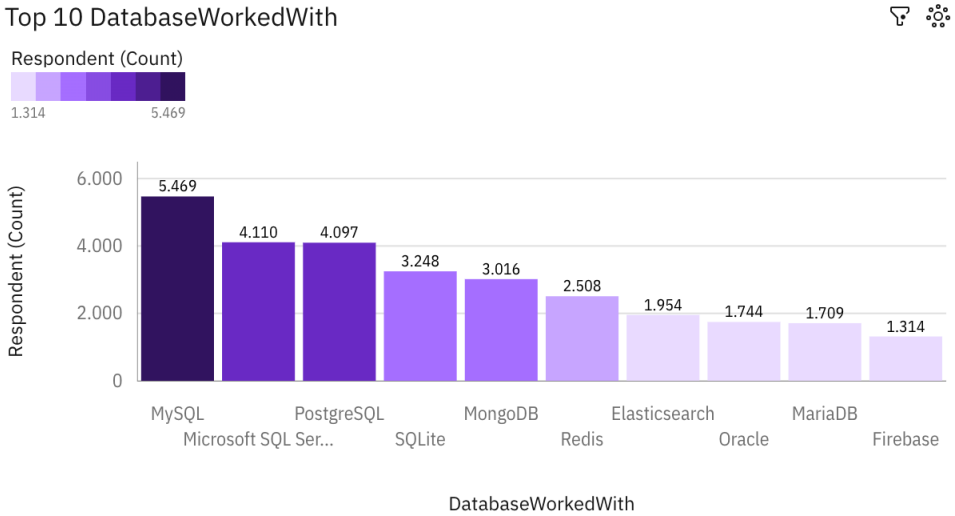
DASHBOARD

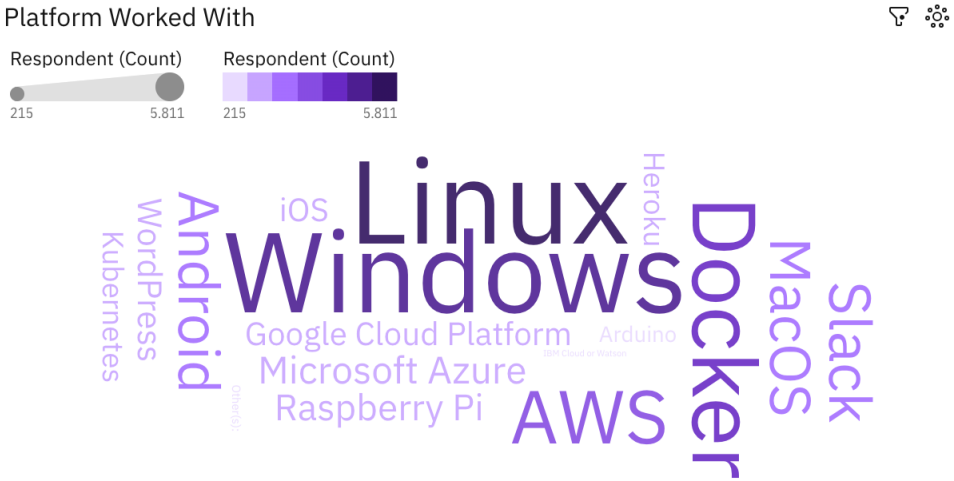
Link to my dashboard

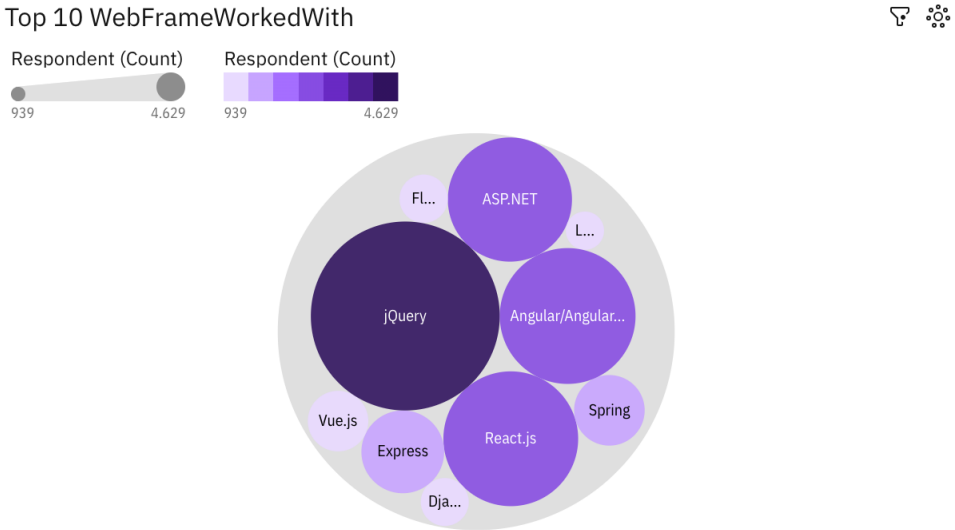
https://github.com/yennhipear/DA-capstone-proj-coursera/blob/main/Dashboard-FinalAssignment.pdf

DASHBOARD TAB 1



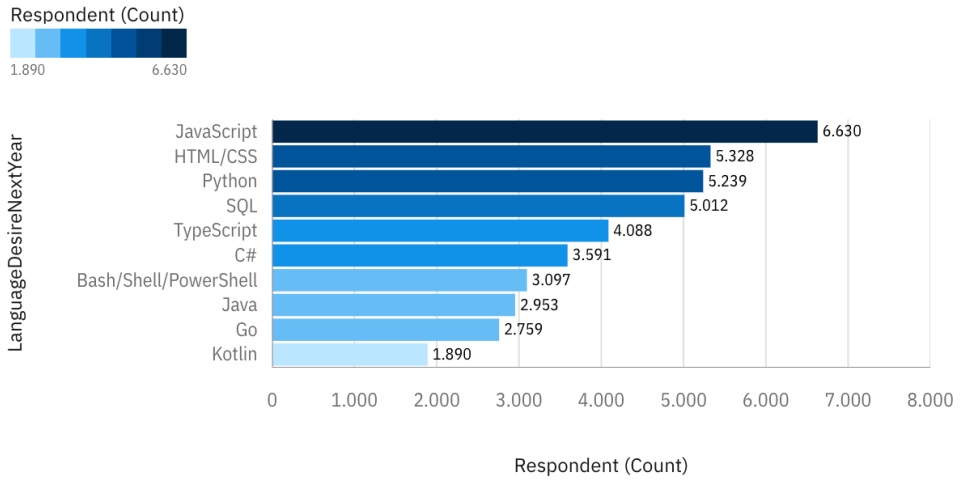




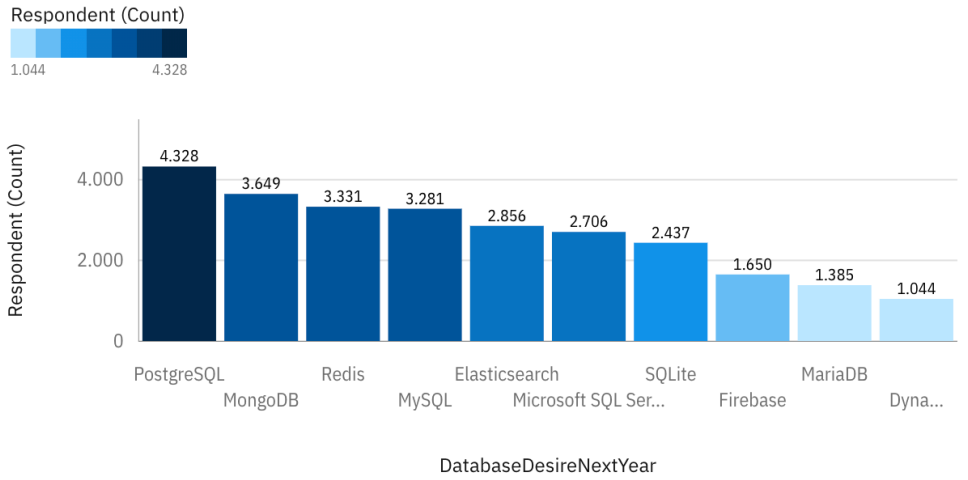


DASHBOARD TAB 2

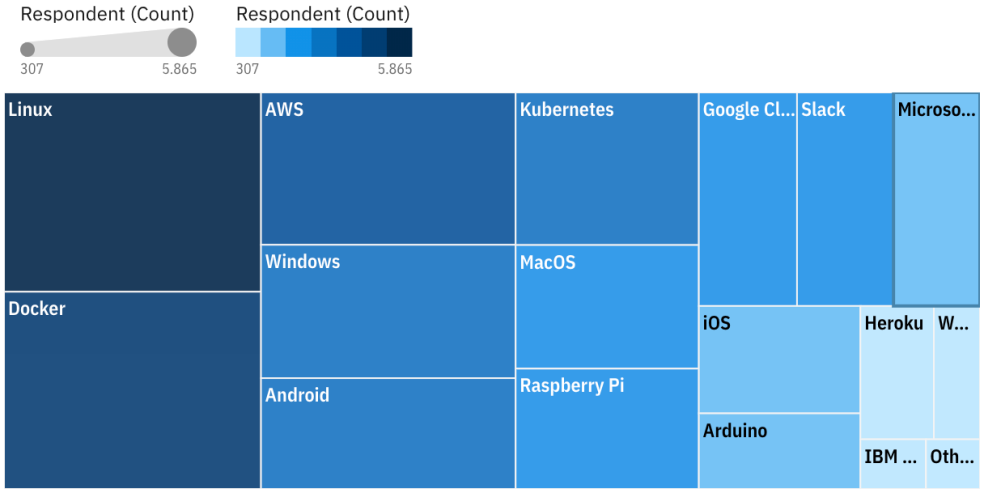
Top 10 LanguageDesireNextYear



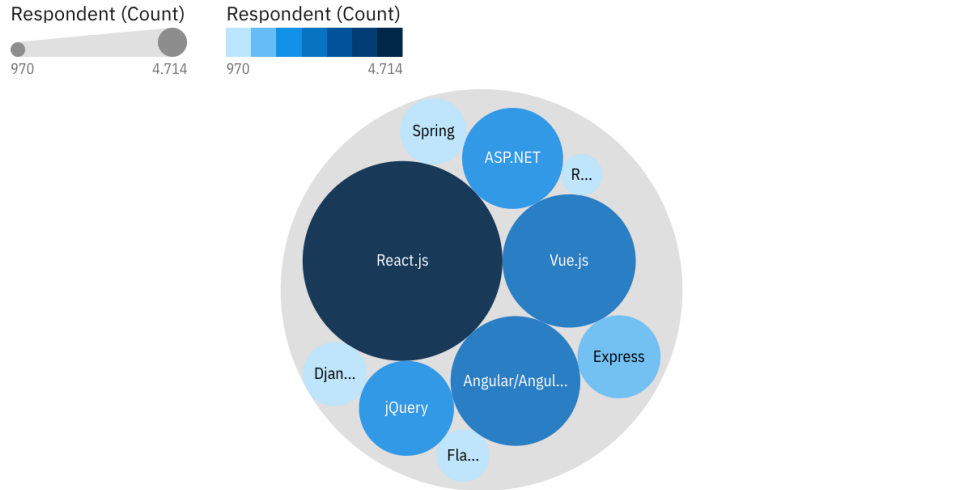
Top 10 DatabaseDesireNextYear



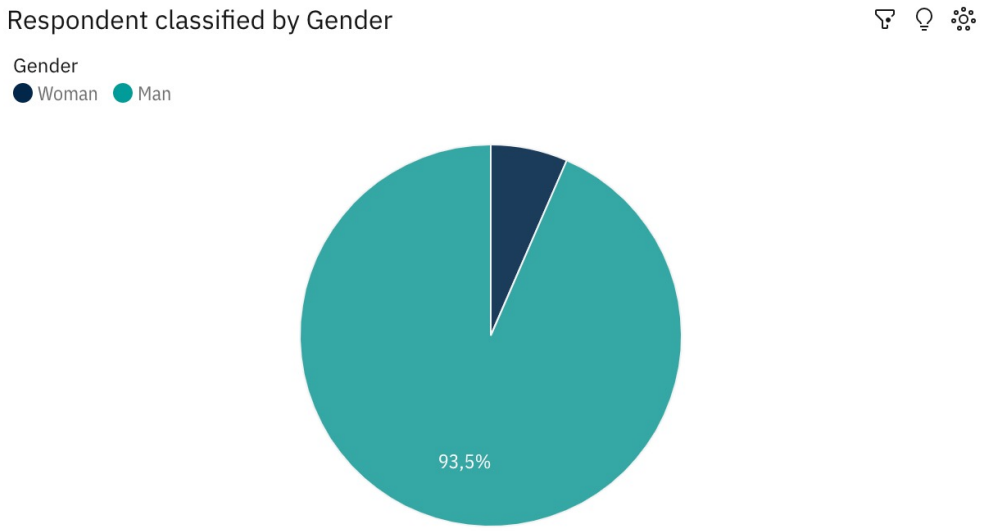
PlatformDesireNextYear

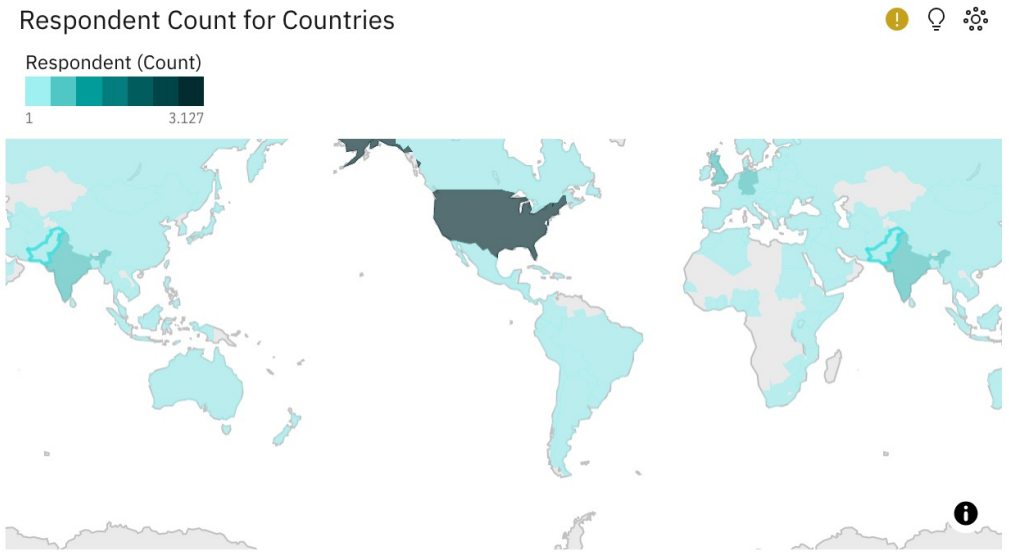


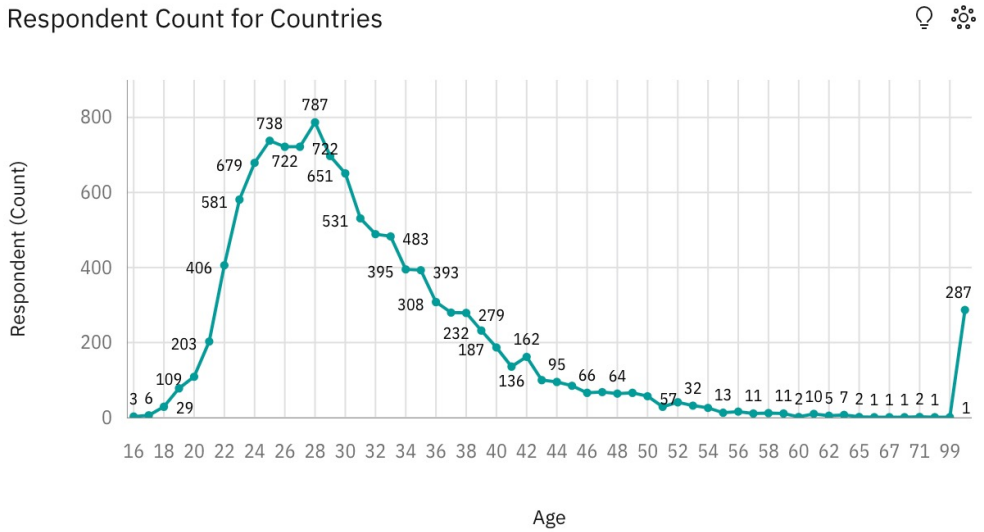
Top 10 WebFrameDesireNextYear

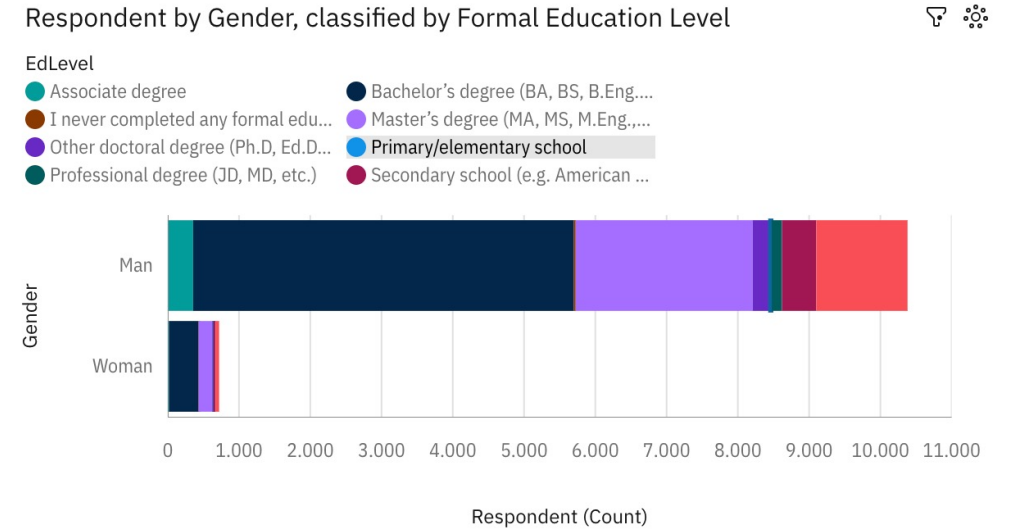


DASHBOARD TAB 3

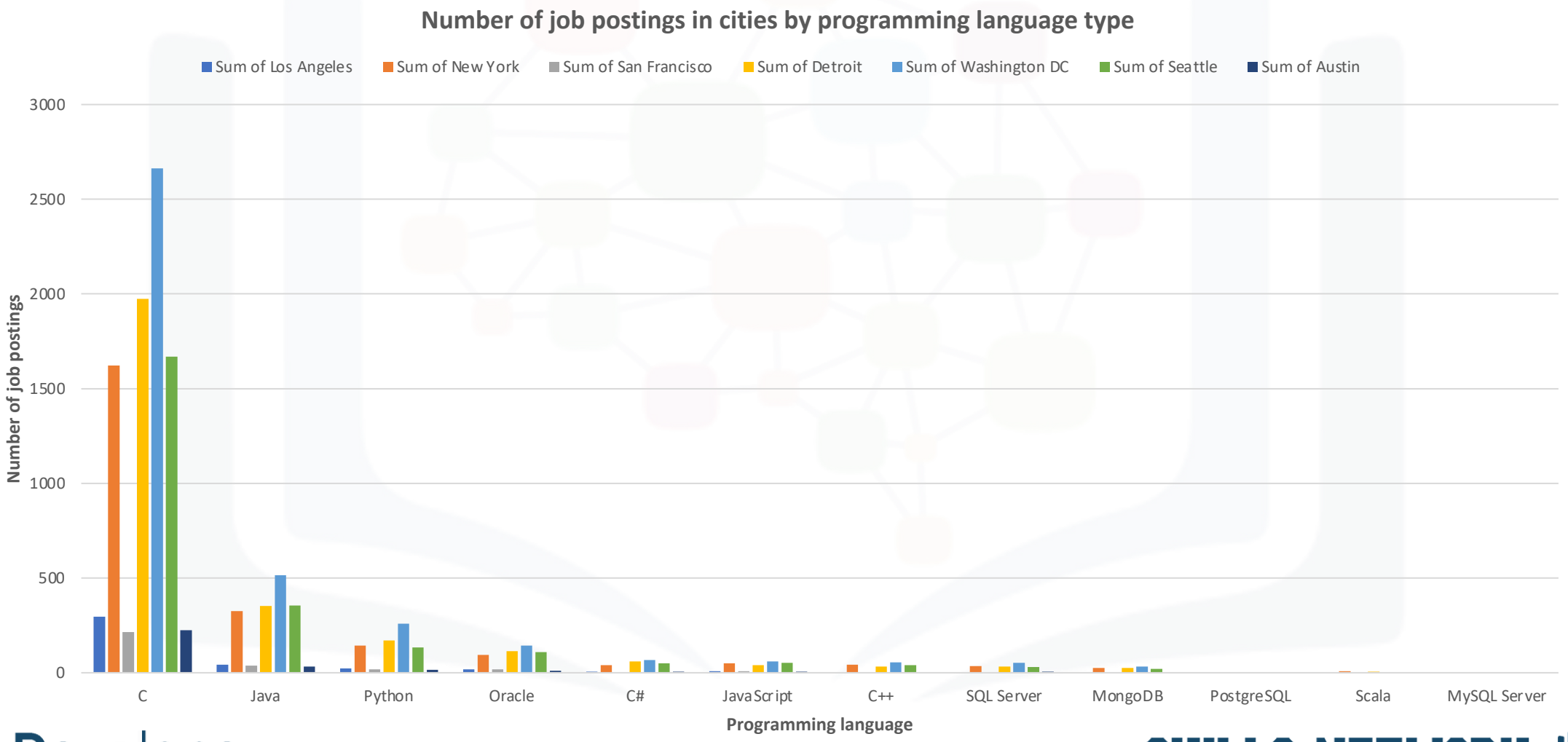








JOB POSTINGS



THANK YOU FOR WATCHING!