



# TECHNOLOGY TRENDS

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# OUTLINE

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

# EXECUTIVE SUMMARY

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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

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- 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

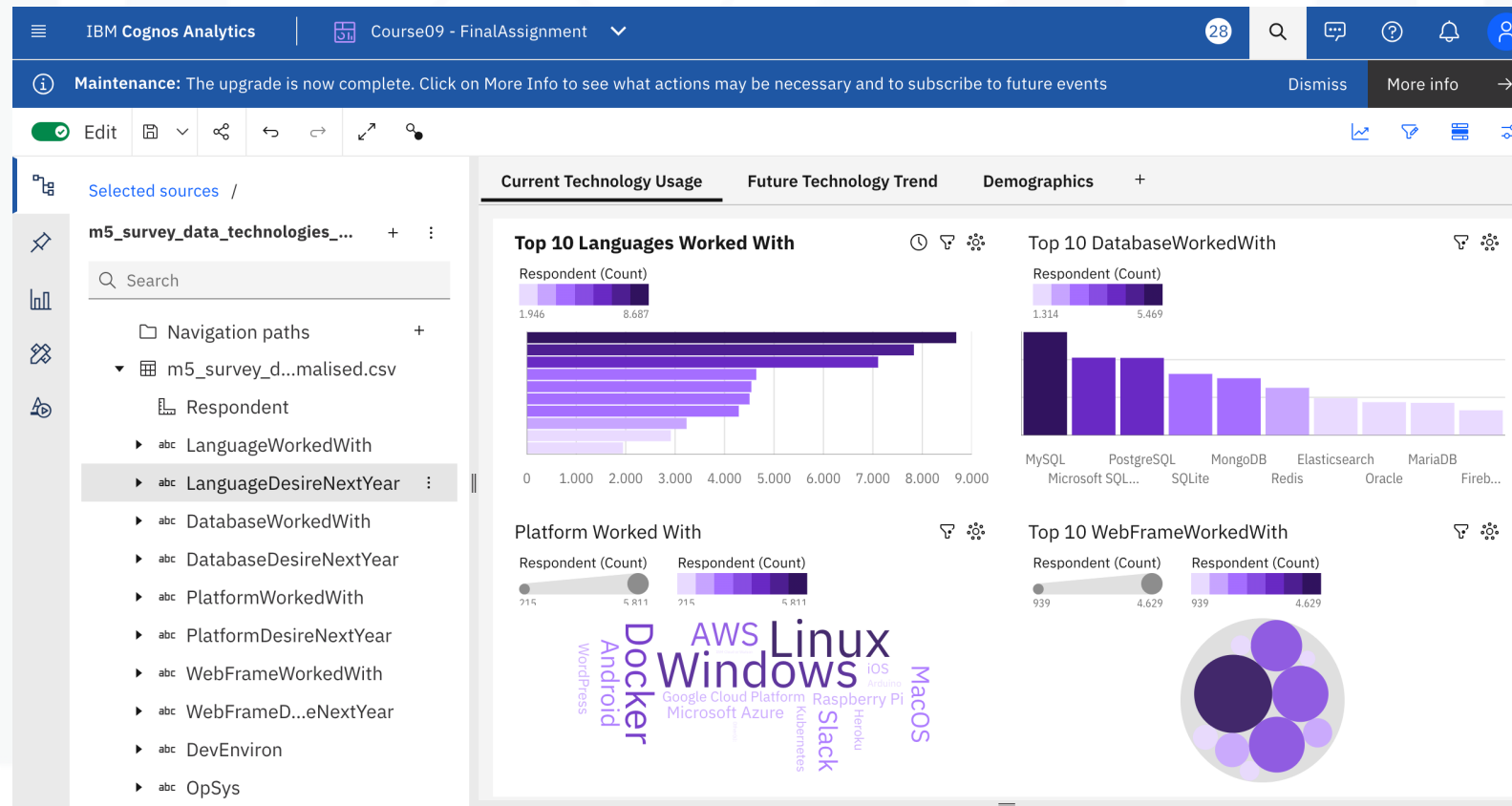
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- Data Collection Sources
  - Stack Overflow Developer 2019 Survey
  - GitHub Job Postings
  - Programming Languages Annual Salary
- Data Exploration
- Data Cleaning
- Data Visualization
- Presentation

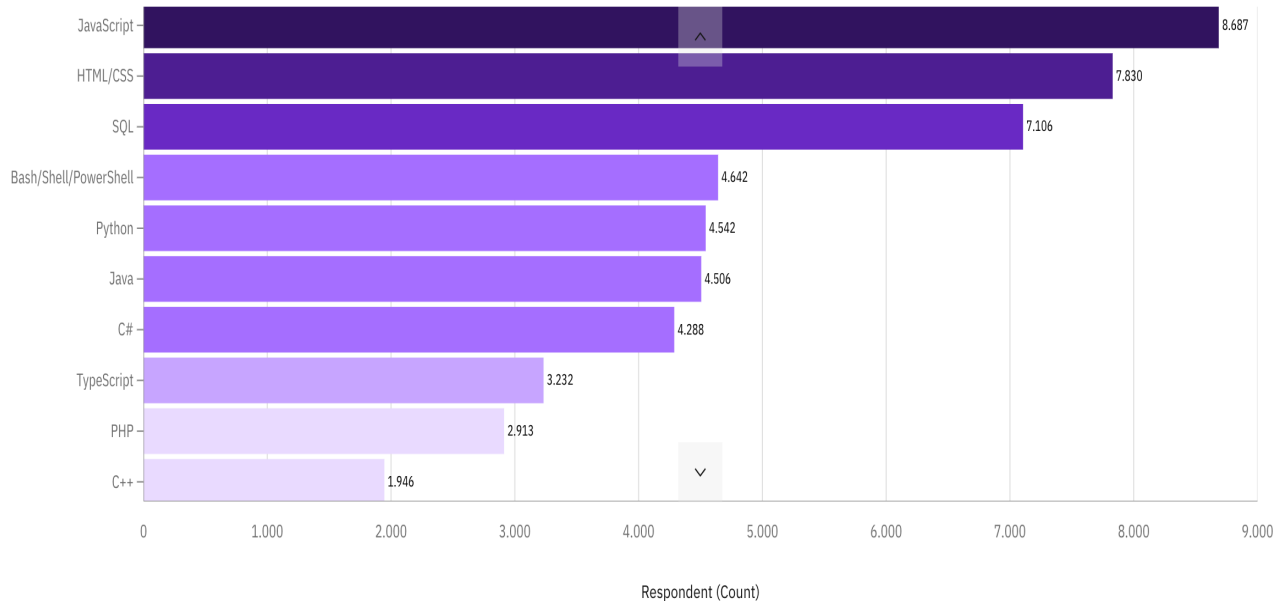
# RESULTS

## Dashboard and Slide Visualizing Data with Findings & Implications"

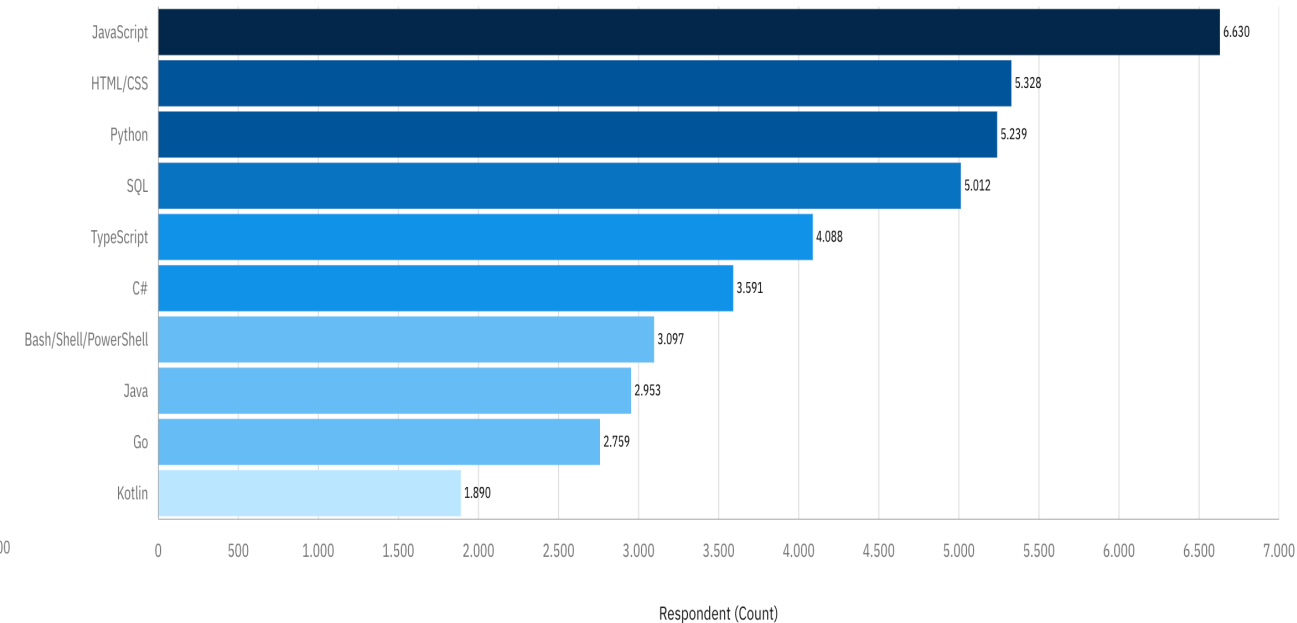


# PROGRAMMING LANGUAGE TRENDS

## Current Year

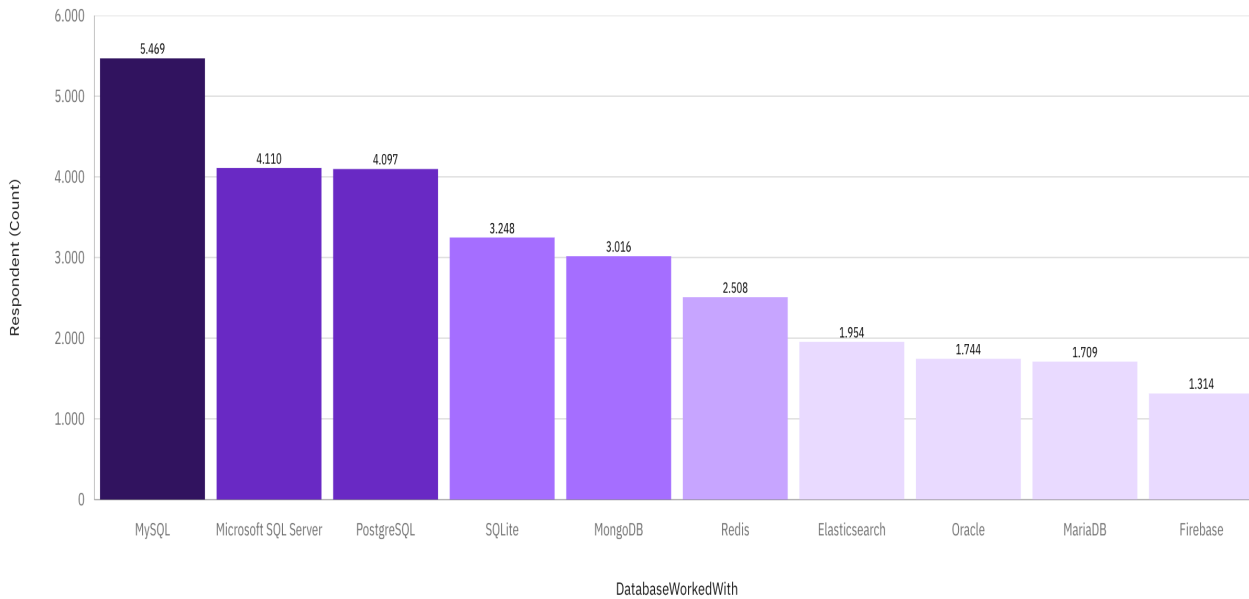


## Next Year

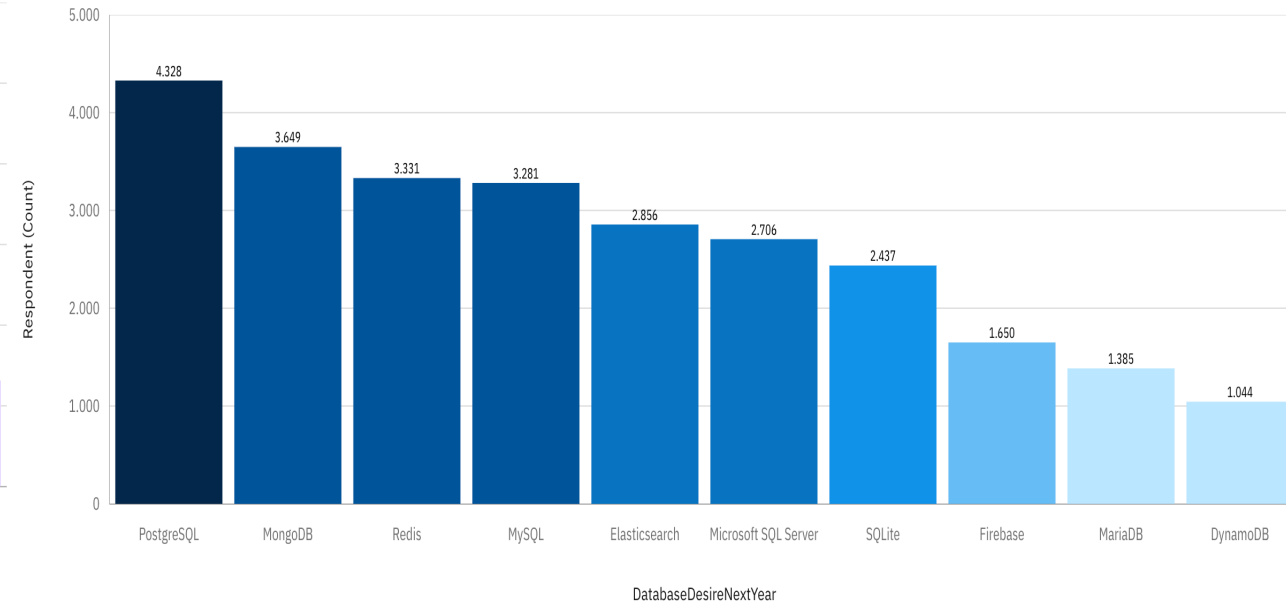


# DATABASE TRENDS

## Current Year



## Next Year



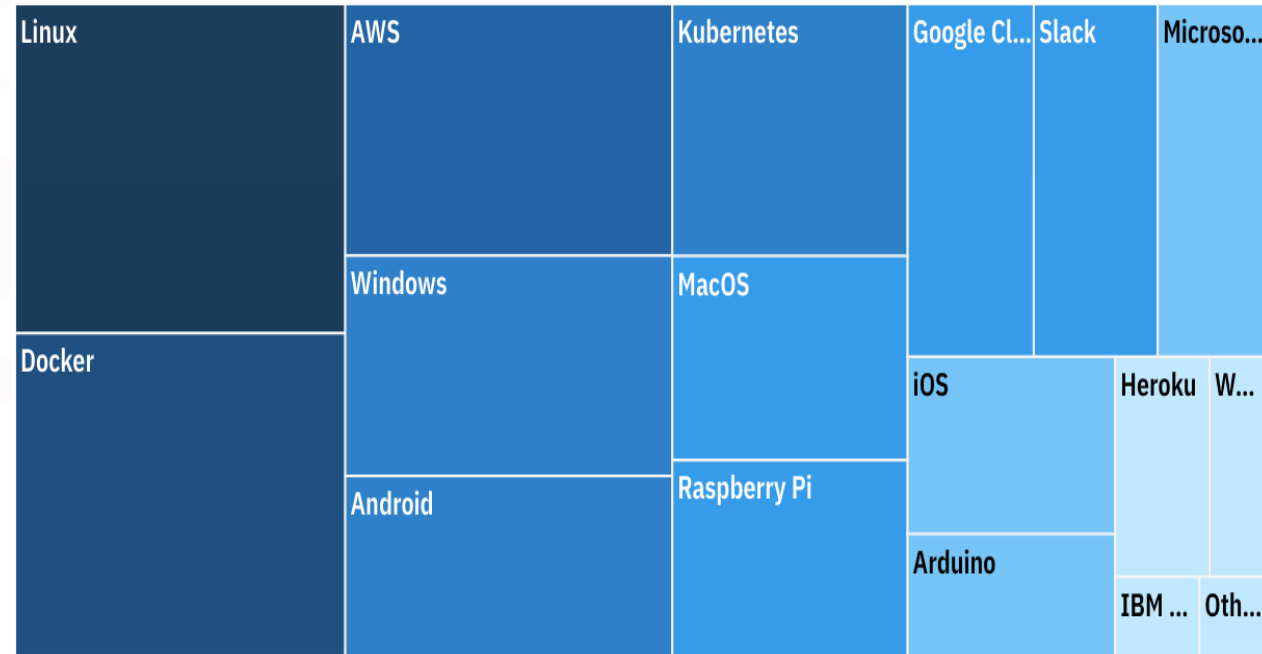


# PLATFORM TRENDS

Current Year

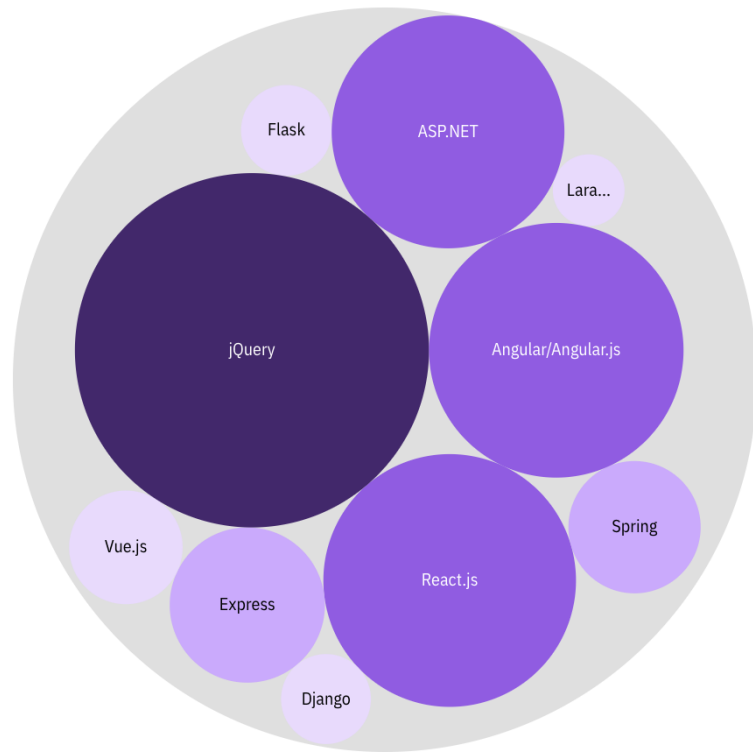


Next Year

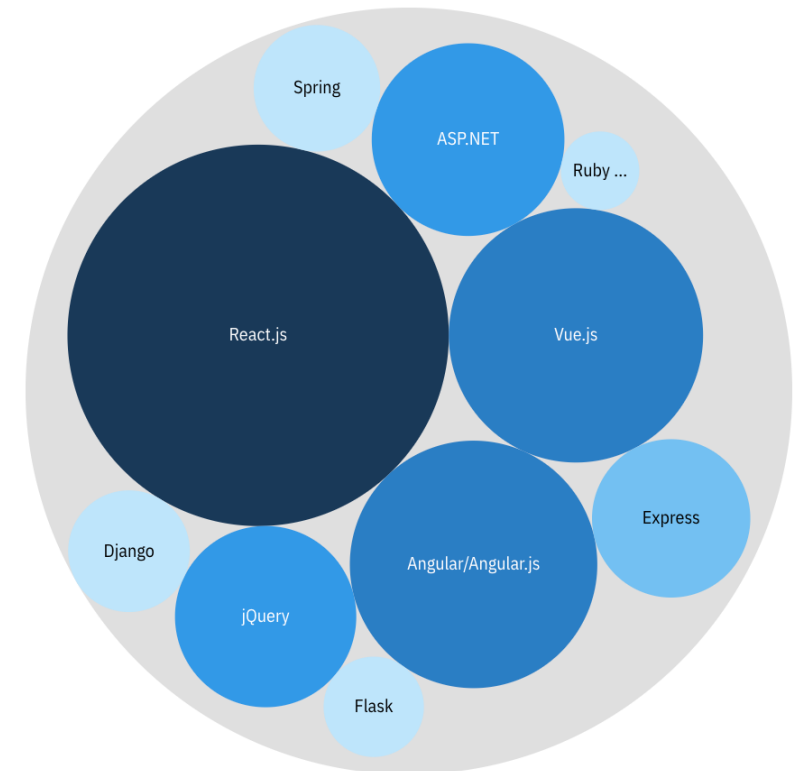


# WEB FRAMEWORK TRENDS

Current Year



Next Year



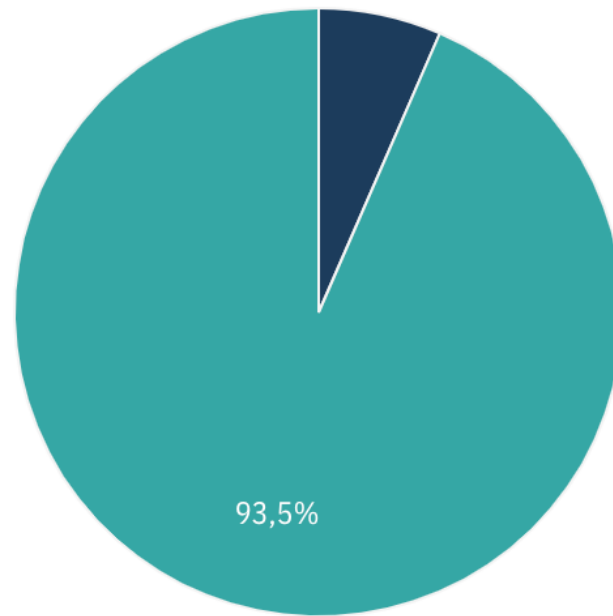
# A gender-based analysis

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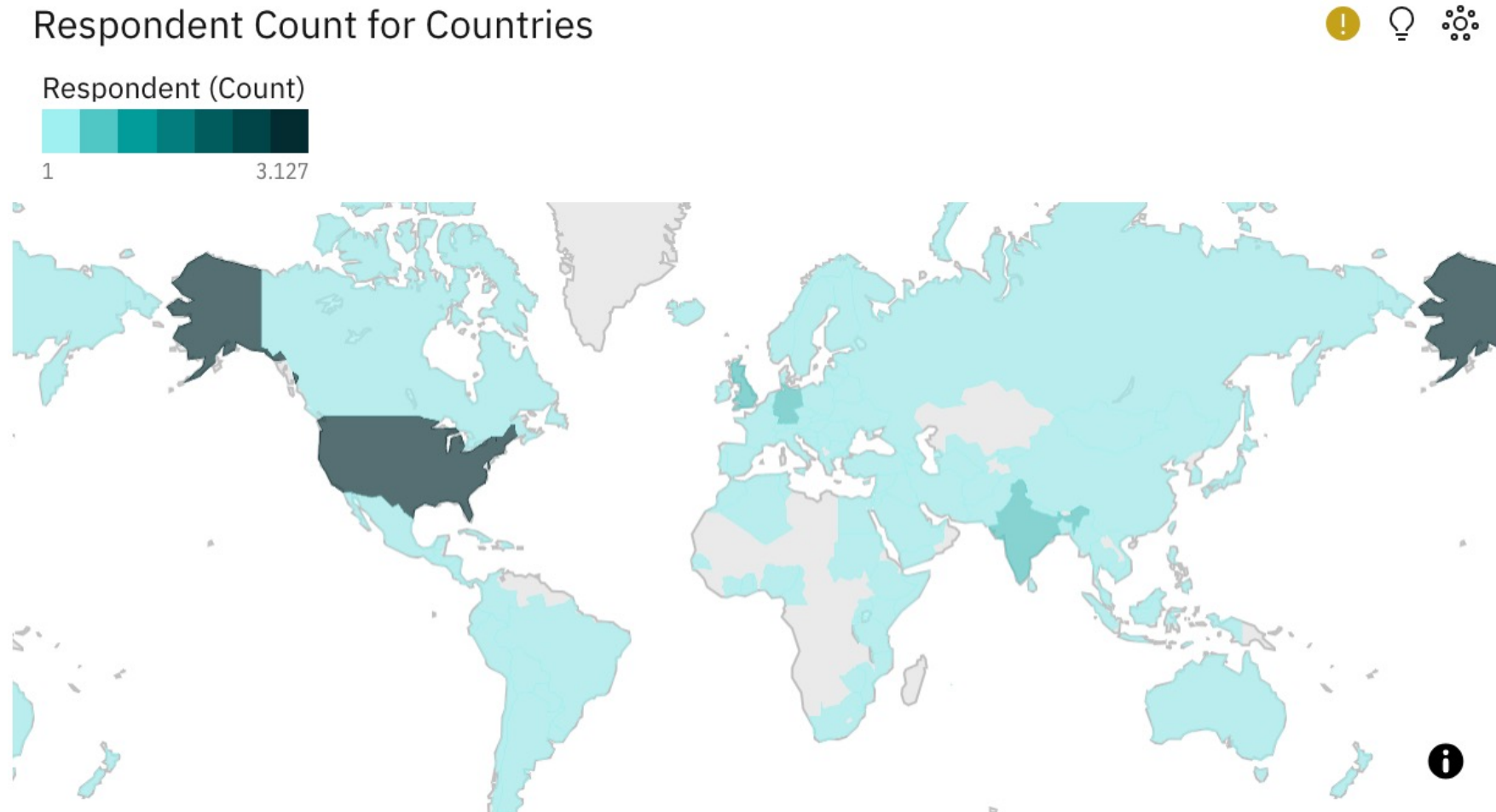
Respondent classified by Gender

Gender

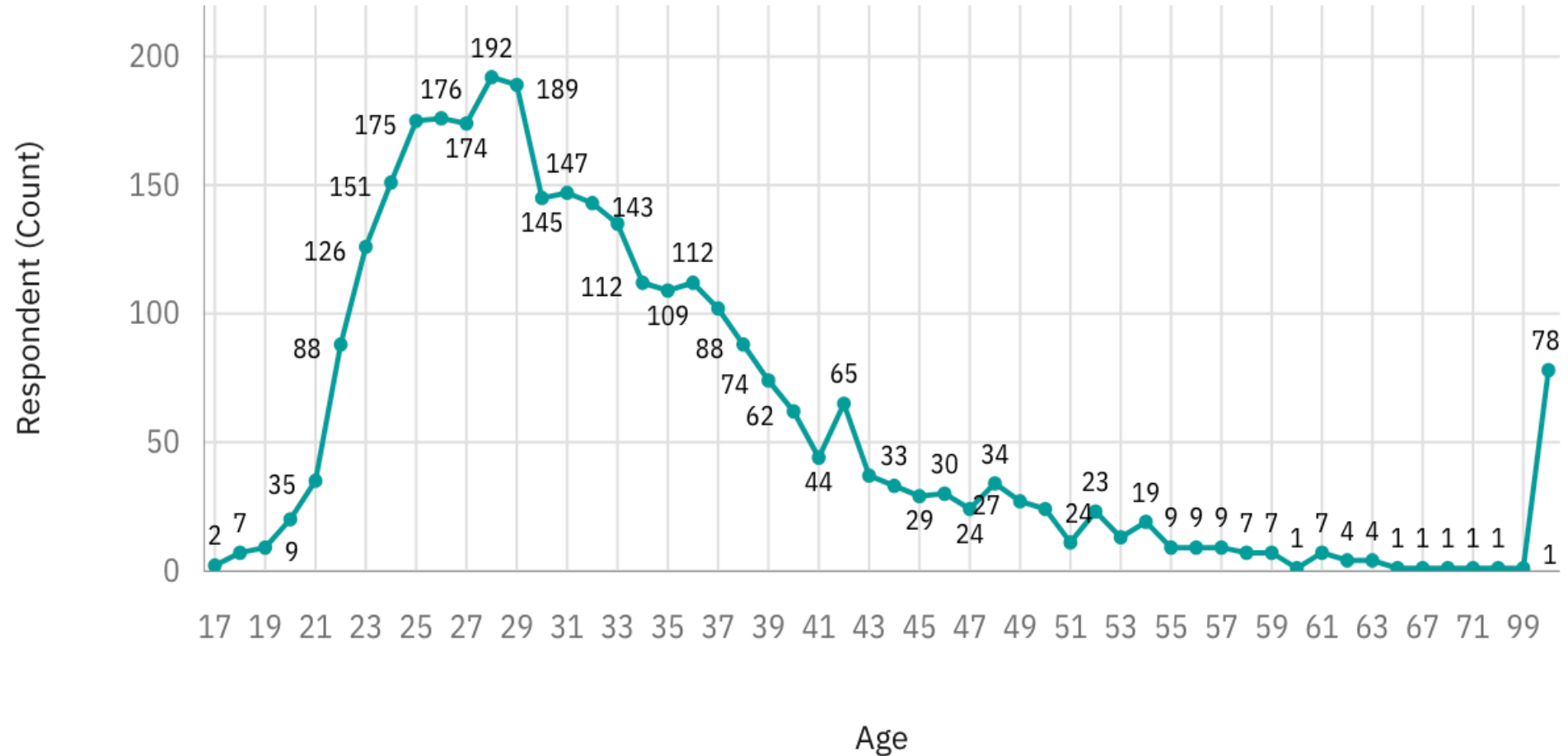
● Woman ● Man



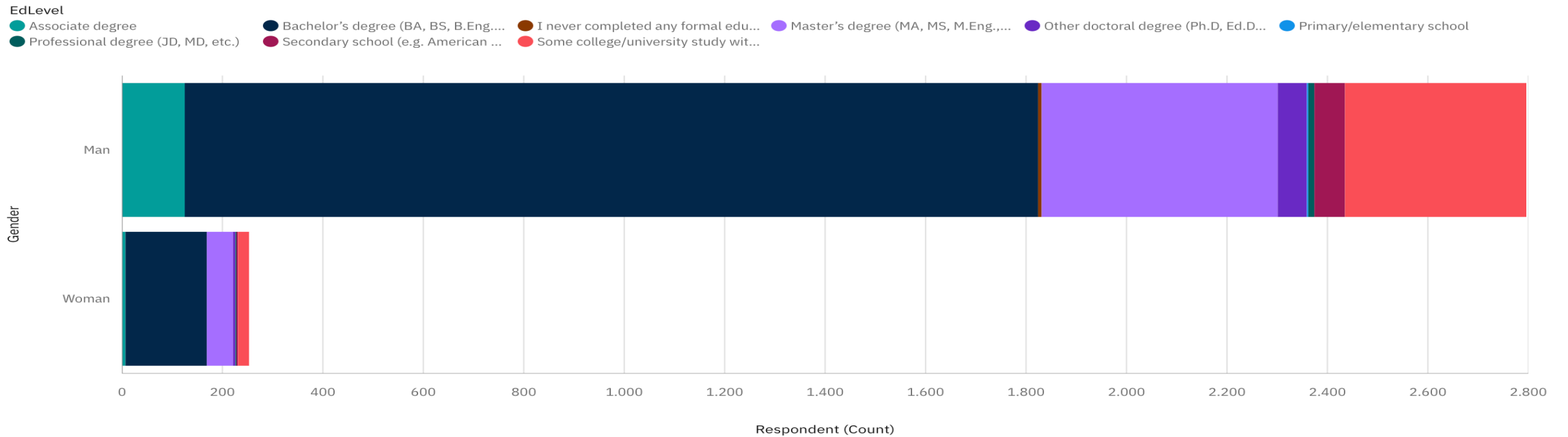
# Respondent distribution across countries



# The number of respondents in different age groups



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



# DASHBOARD

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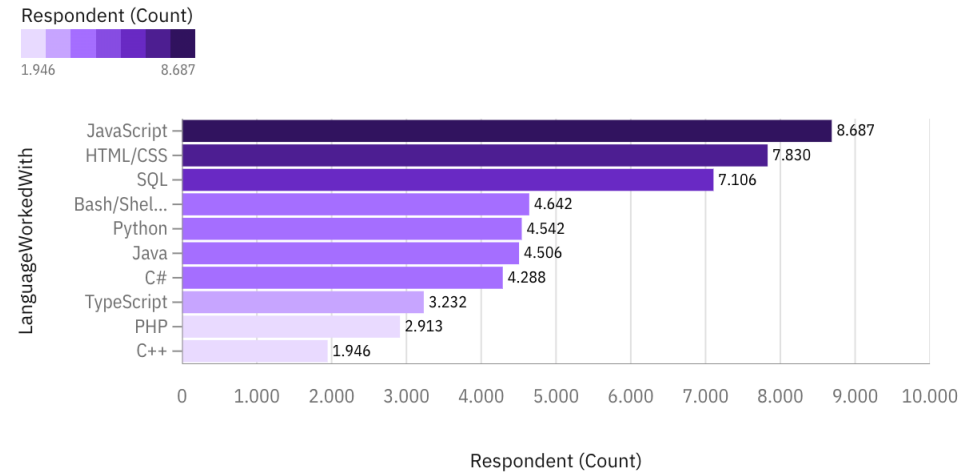


**Link to my dashboard**

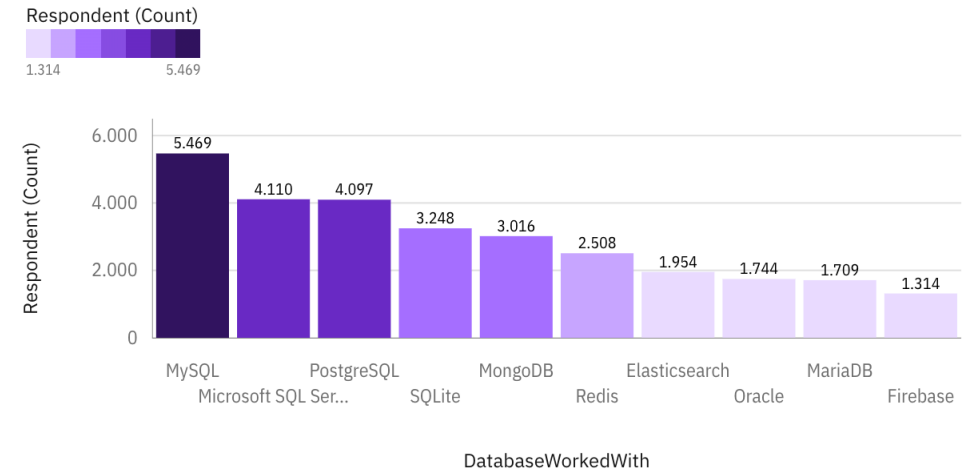
<https://github.com/yennhipear/DA-capstone-project-coursera/blob/main/Dashboard-FinalAssignment.pdf>

# DASHBOARD TAB 1

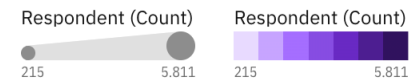
Top 10 Languages Worked With



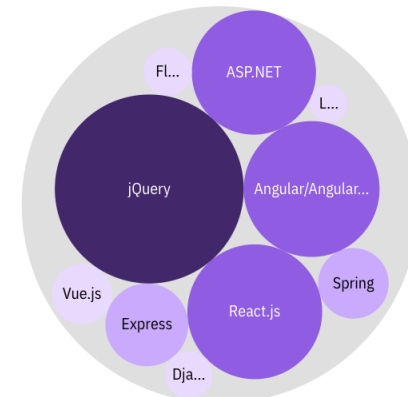
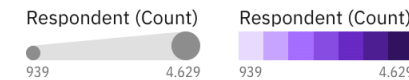
Top 10 DatabaseWorkedWith



Platform Worked With



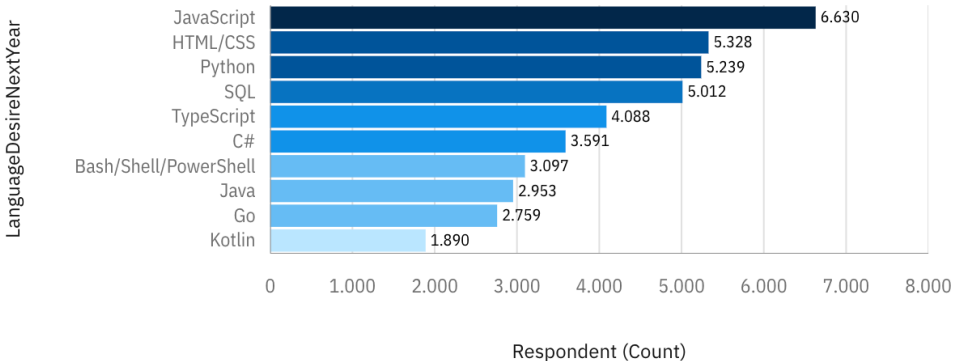
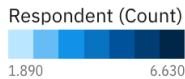
Top 10 WebFrameWorkedWith



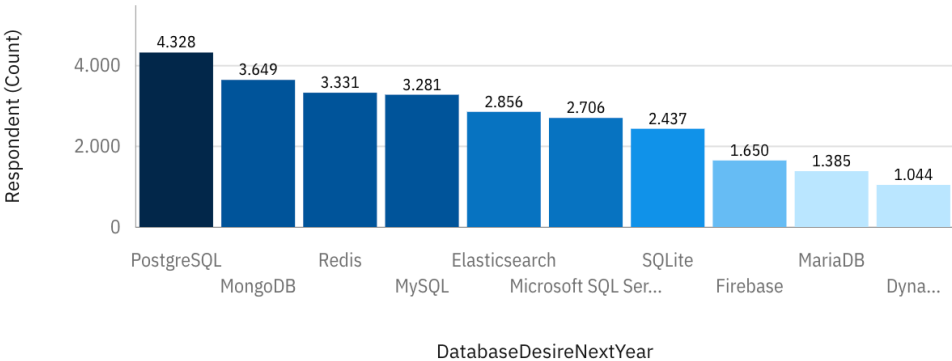
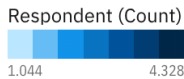


# DASHBOARD TAB 2

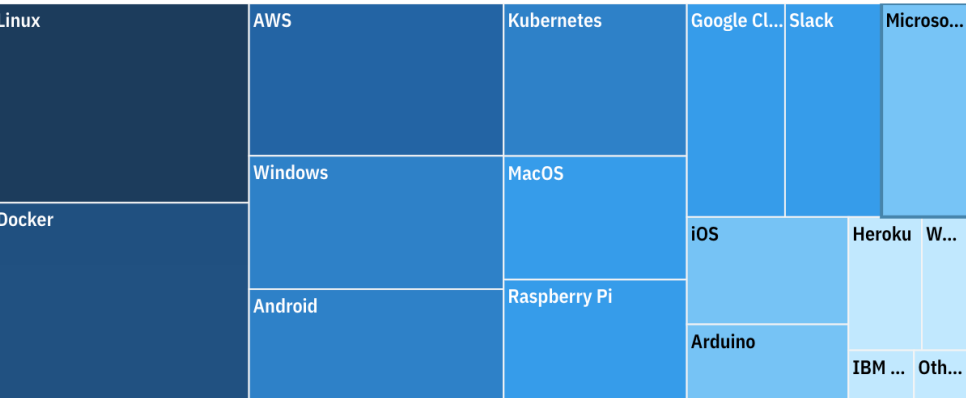
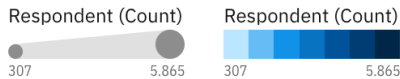
Top 10 LanguageDesireNextYear



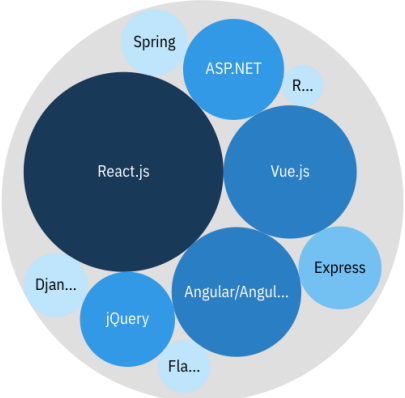
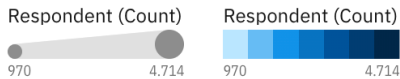
Top 10 DatabaseDesireNextYear



PlatformDesireNextYear



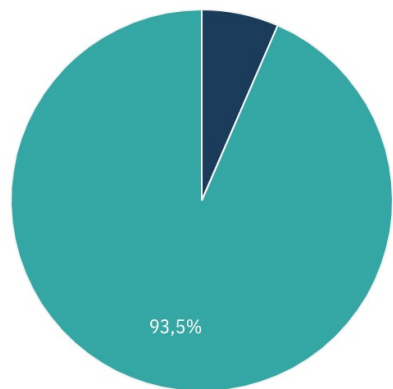
Top 10 WebFrameDesireNextYear



# DASHBOARD TAB 3

Respondent classified by Gender

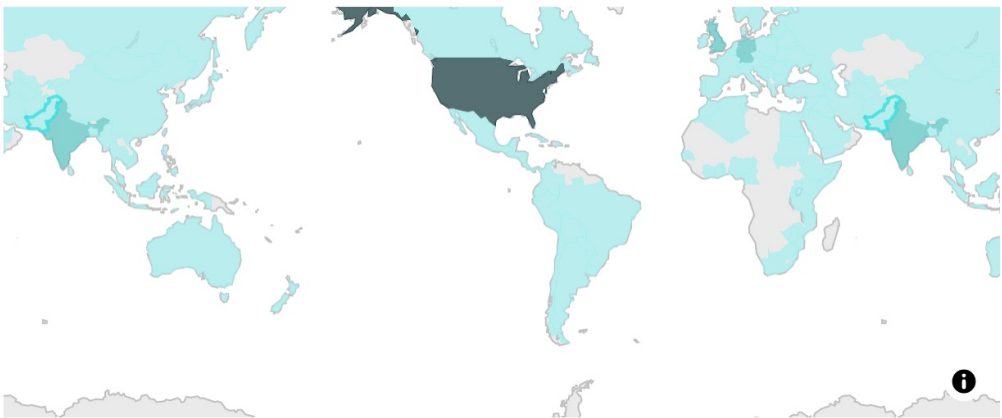
Gender  
● Woman ● Man



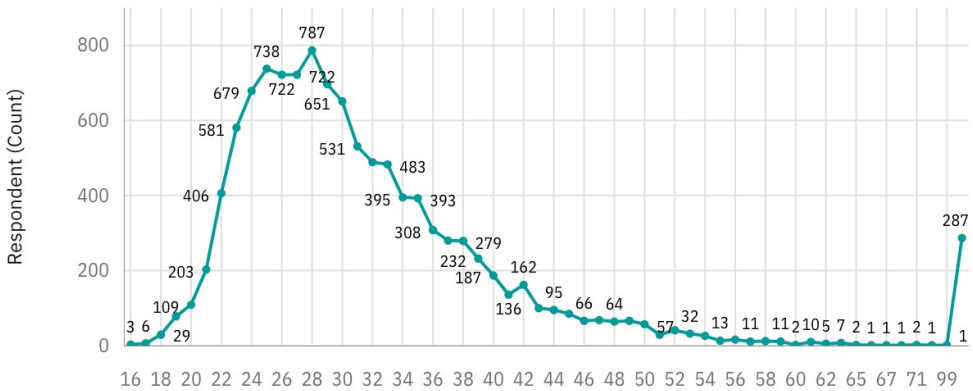
Respondent Count for Countries



Respondent (Count)  
1 3,127



Respondent Count for Countries

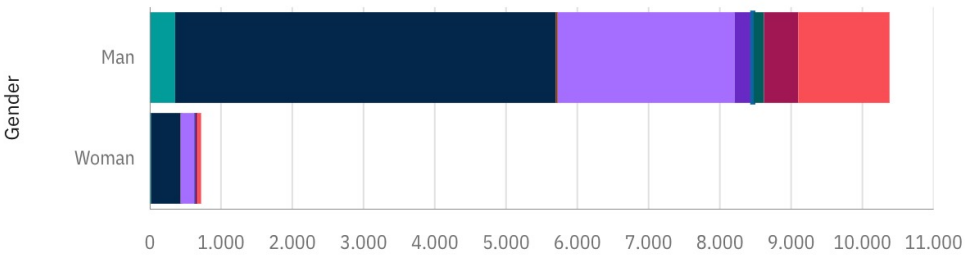


Respondent by Gender, classified by Formal Education Level

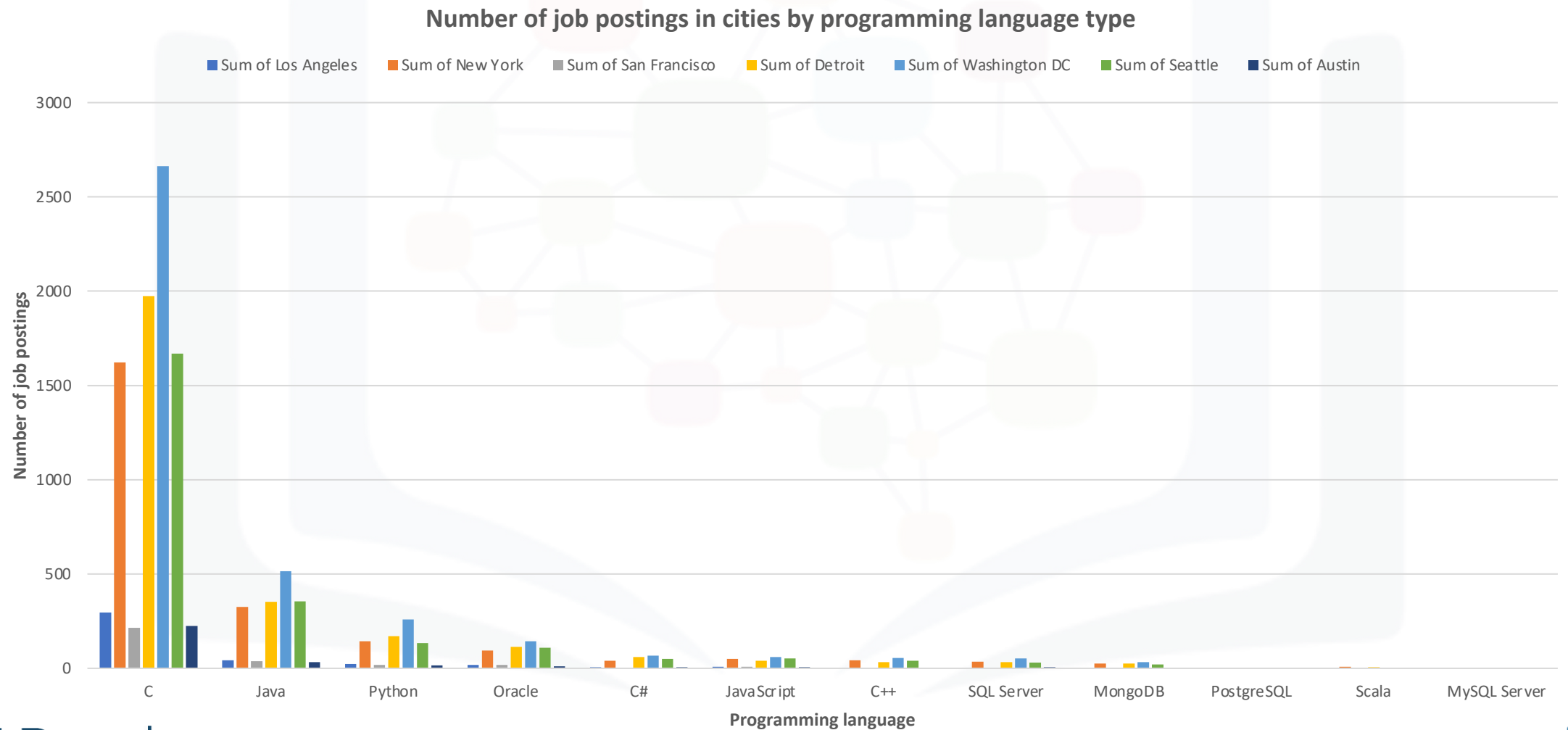


EdLevel

● Associate degree ● Bachelor's degree (BA, BS, B.Eng....)  
● I never completed any formal edu... ● Master's degree (MA, MS, M.Eng.,...)  
● Other doctoral degree (Ph.D, Ed.D... ● Primary/elementary school  
● Professional degree (JD, MD, etc.) ● Secondary school (e.g. American ...)



# JOB POSTINGS



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# THANK YOU FOR WATCHING!