



Data Analysis Trends

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OUTLINE



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

EXECUTIVE SUMMARY



- Bash/Shell/Powershell declining
- Python Increases
- MySQL interest drops
- Elastic search jumps from #7 to #1

INTRODUCTION



- Methodology
- Interest in Data Analysis Languages and Databases
- Trends that impact companies
- What companies can gain

METHODOLOGY

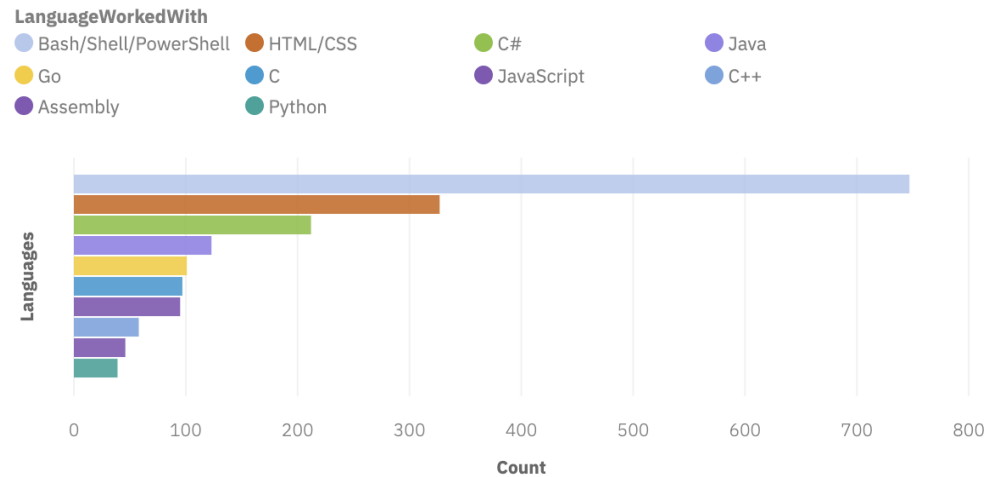


- Data Source – Survey
- Statistical
- Diagnostic
- Predictive

PROGRAMMING LANGUAGE TRENDS

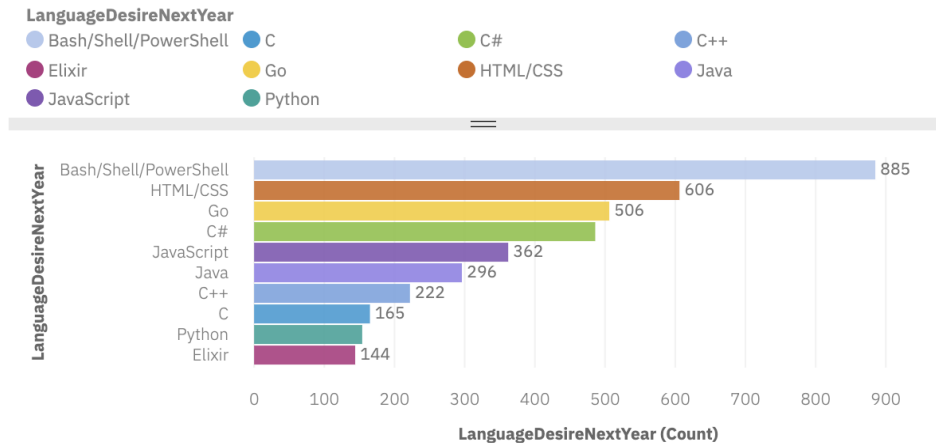
Current Year

Top 10 Languages



Next Year

Top 10 Languages for Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

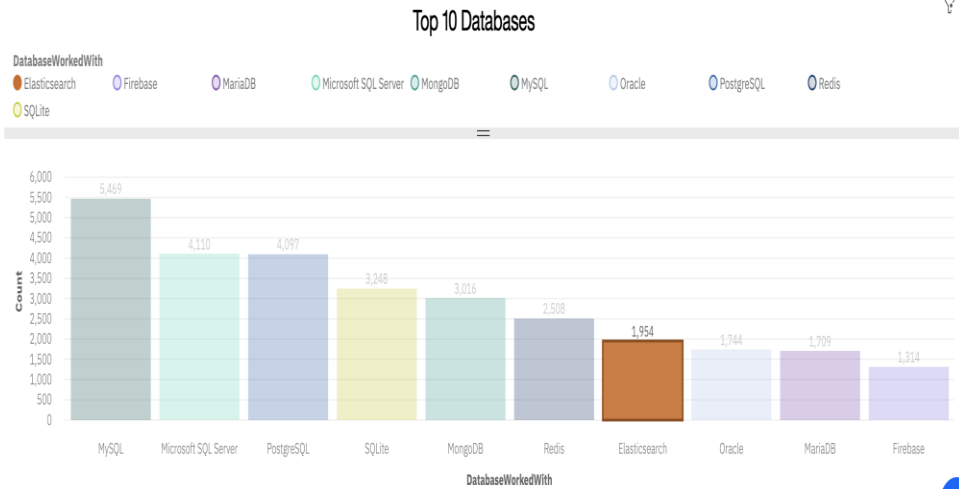
- Strong uptick in all but Bash/Shell/ Powershell
- Big jump in Go
- Python doubles interest

Implications

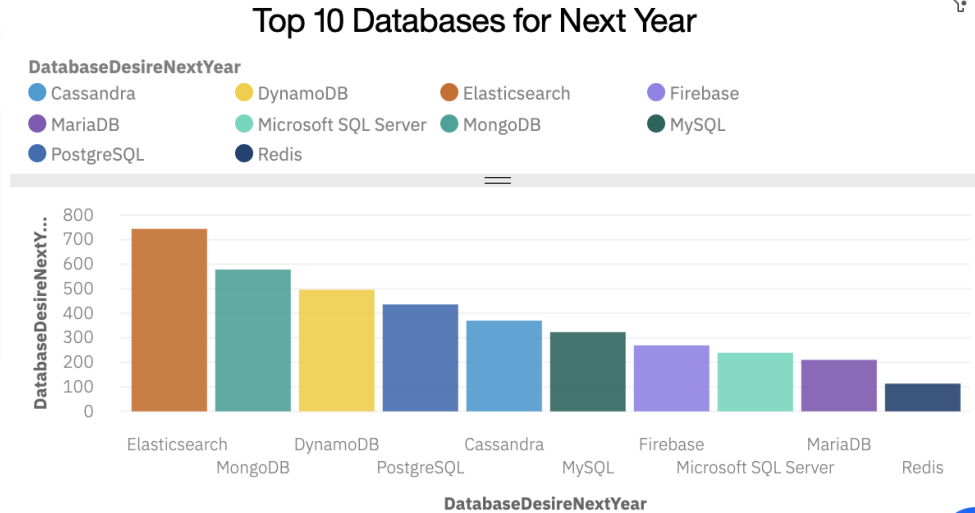
- Waning interest in Bash/Shell/Powershell
- Javascript loses ground to Go
- Python becomes popular

DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

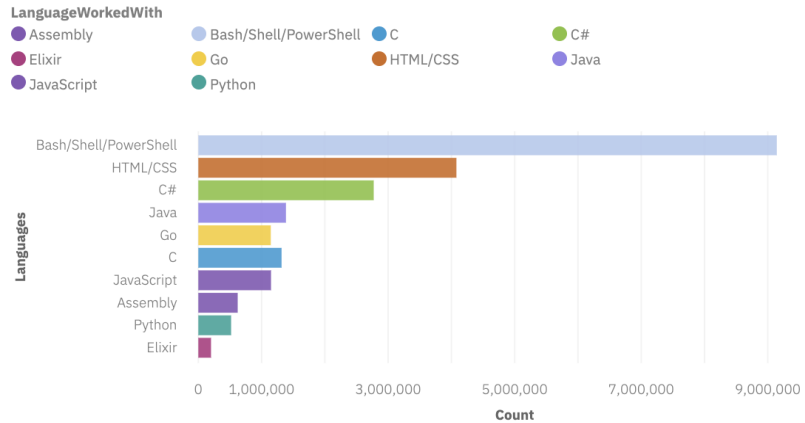
- Interest in MySQL drops dramatically
- Interest in Elasticsearch jumps from #7 to #1
- Microsoft MySQL server drops to #8

Implications

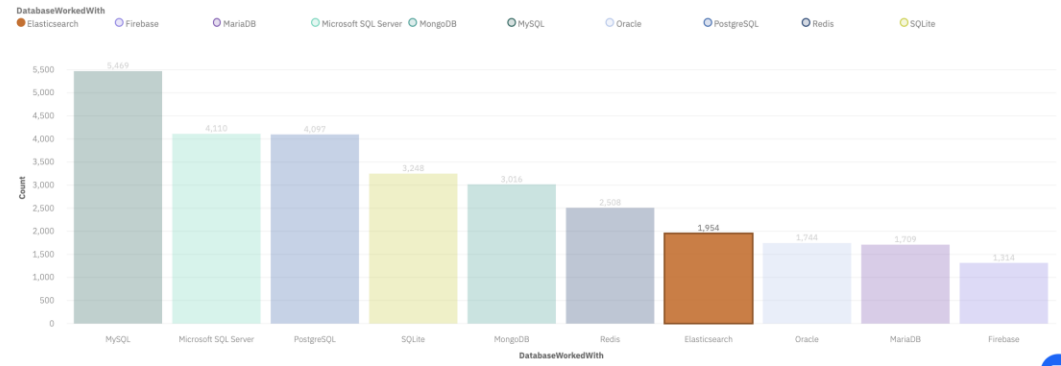
- Interest in MySQL and MySQL server wanes
- Elasticsearch becomes most popular database

DASHBOARD TAB 1

Top 10 Languages



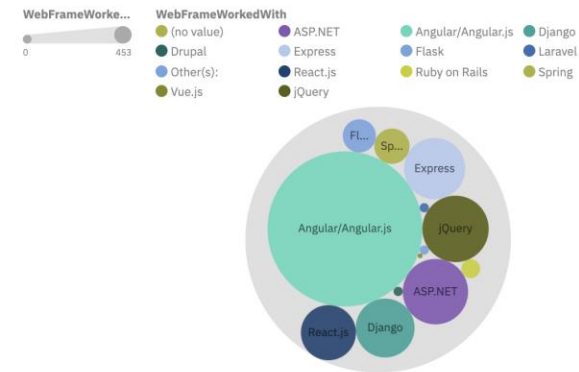
Top 10 Databases



Top 10 Platforms

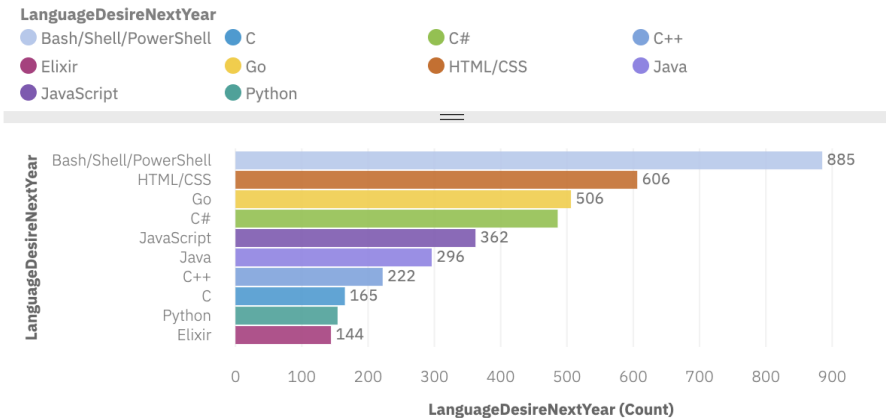


Top 10 Webframes

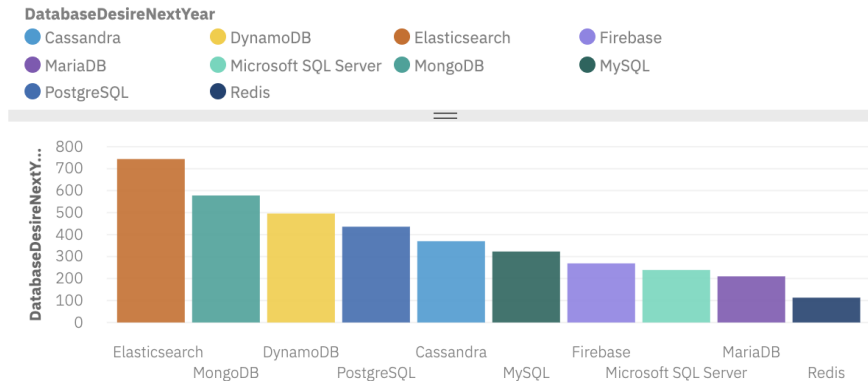


DASHBOARD TAB 2

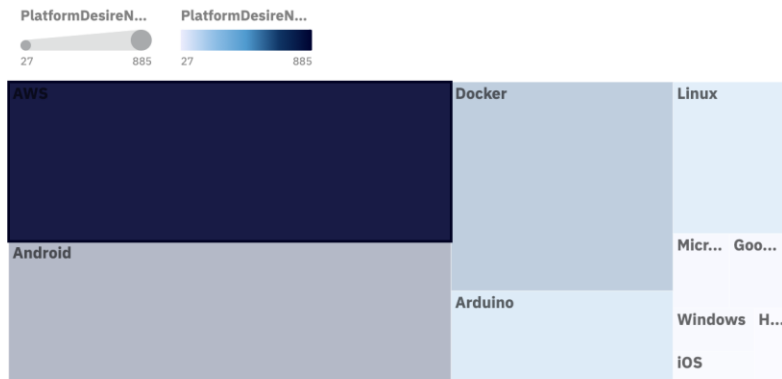
Top 10 Languages for Next Year



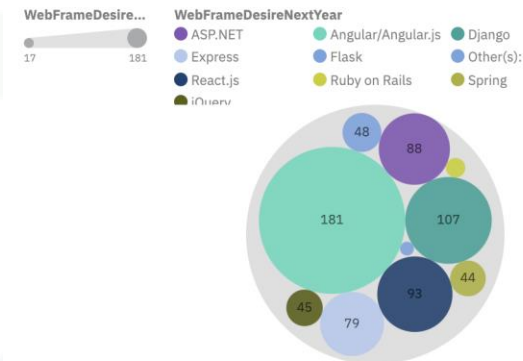
Top 10 Databases for Next Year



Top 10 Platforms for Next Year



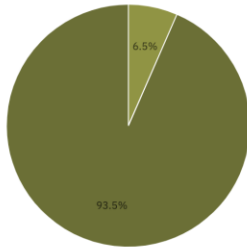
Top 10 Webframes for Next Year



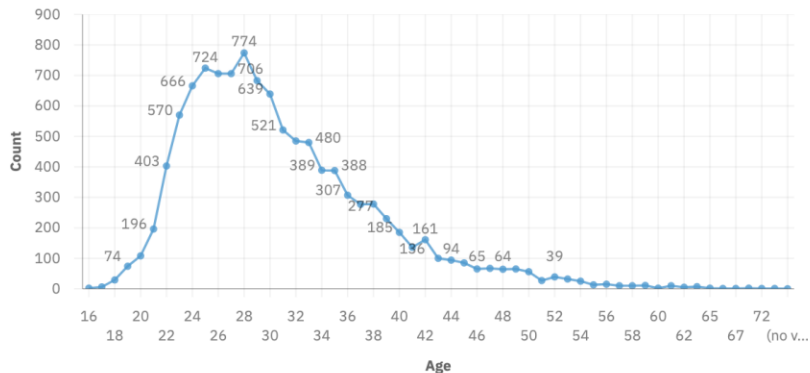
DASHBOARD TAB 3

Respondent by Gender

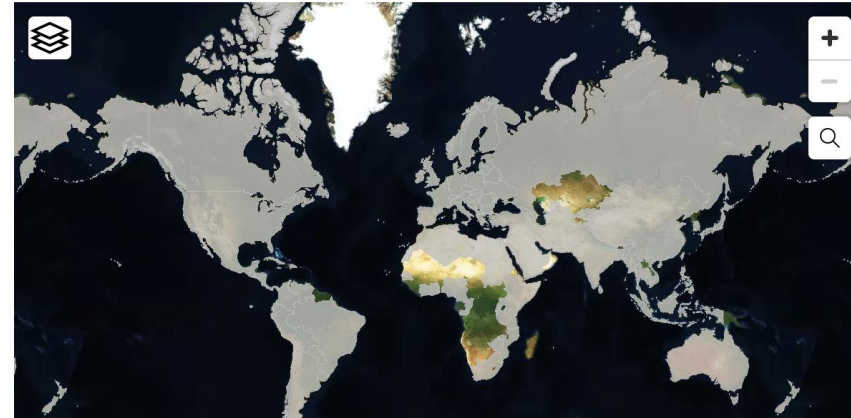
Gender
● Woman ● Man



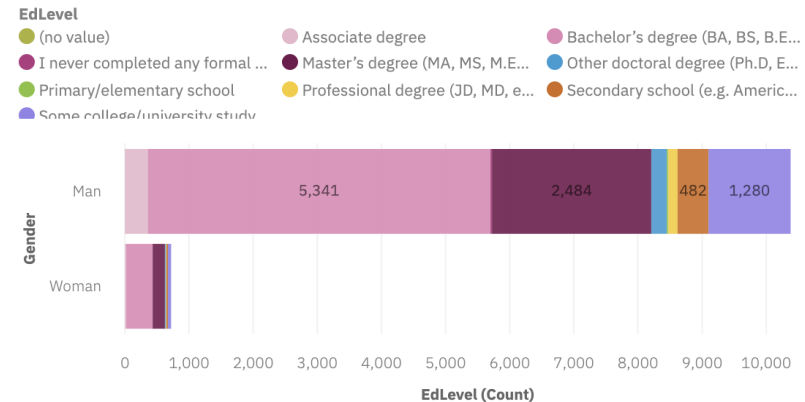
Respondent by Age



Respondents by Country



Gender and Education



OVERALL FINDINGS & IMPLICATIONS


Findings

- Bash/Shell/Powershell decline
- Python increase
- Elixir appears in top ten

Implications

- Move away from Bash/Shell/Powershell
- Move toward Python

DISCUSSION

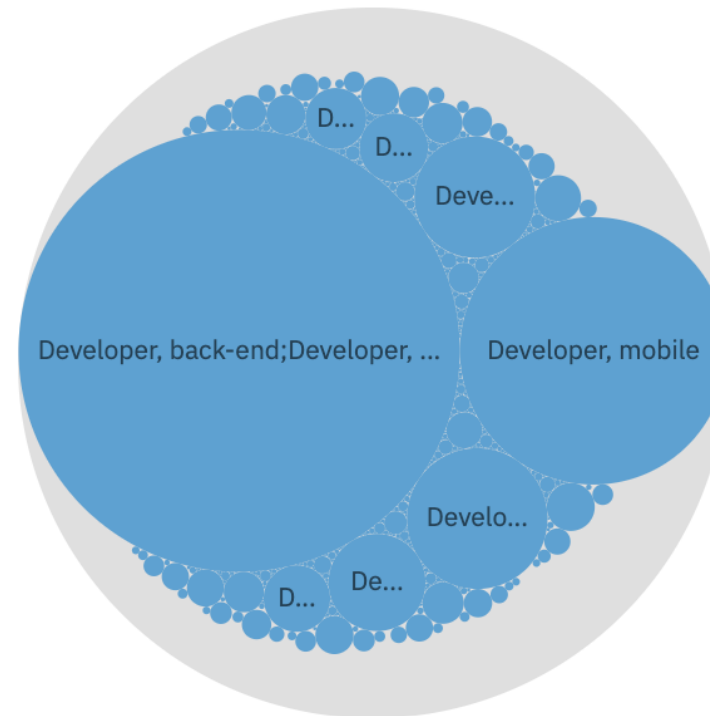
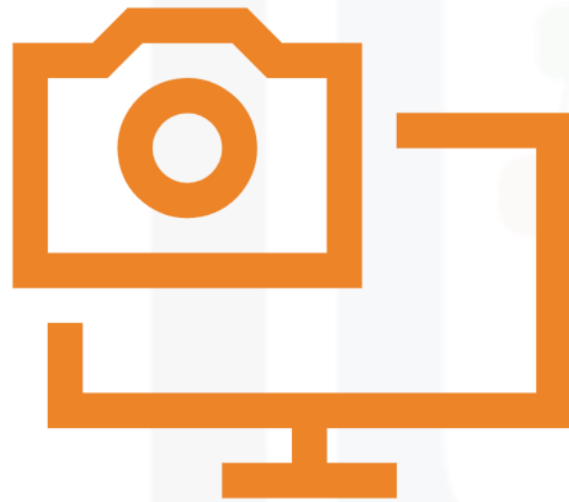
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- Changes in data analysis
 - Waning interest in some databases and languages
 - Databases and languages to keep your eye on

CONCLUSION

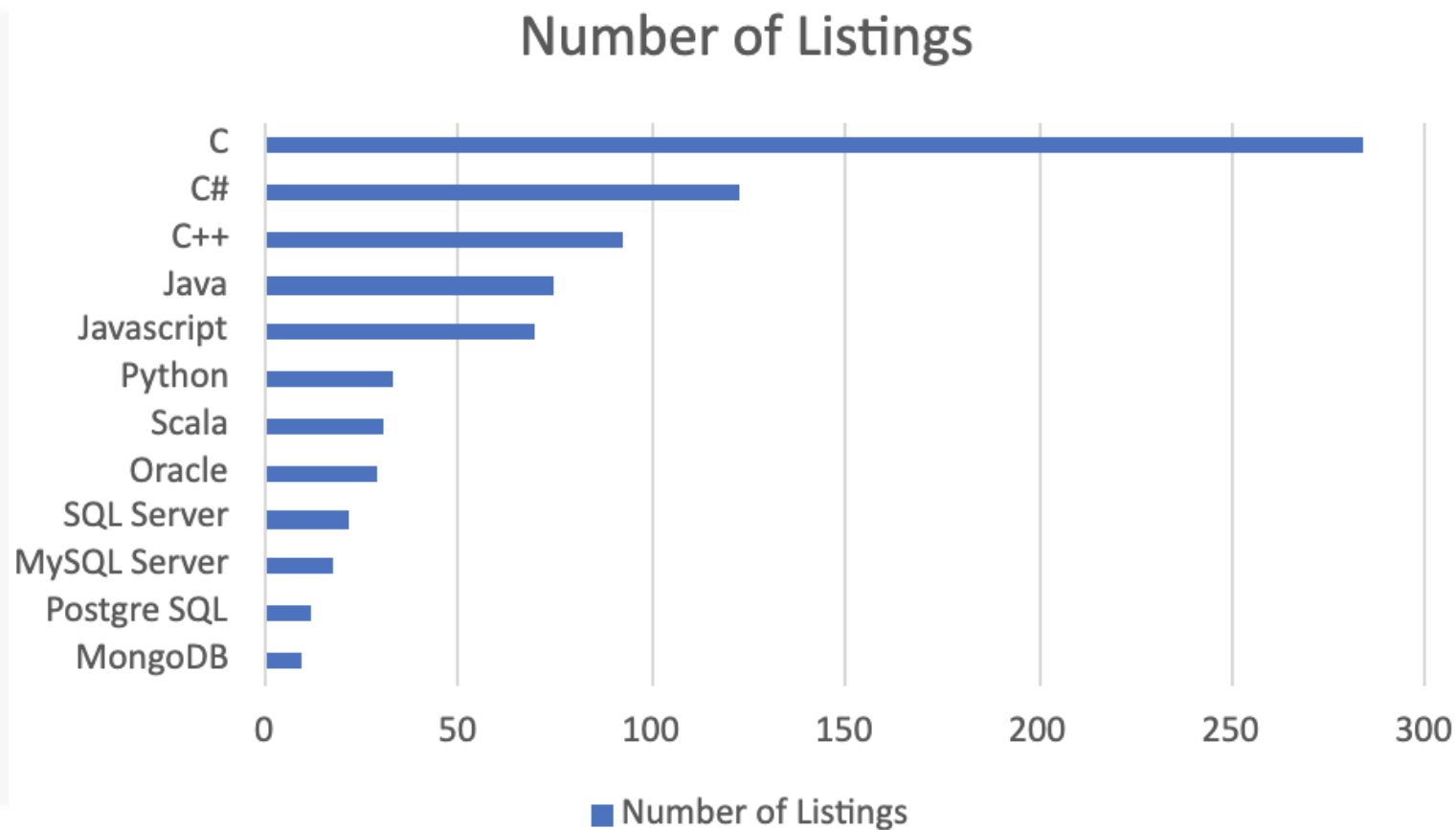


- Powershell declines in languages
- Python interest increases
- MySQL drops
- Elastic moves from #7 to #1

APPENDIX



GITHUB JOB POSTINGS



POPULAR LANGUAGES

