

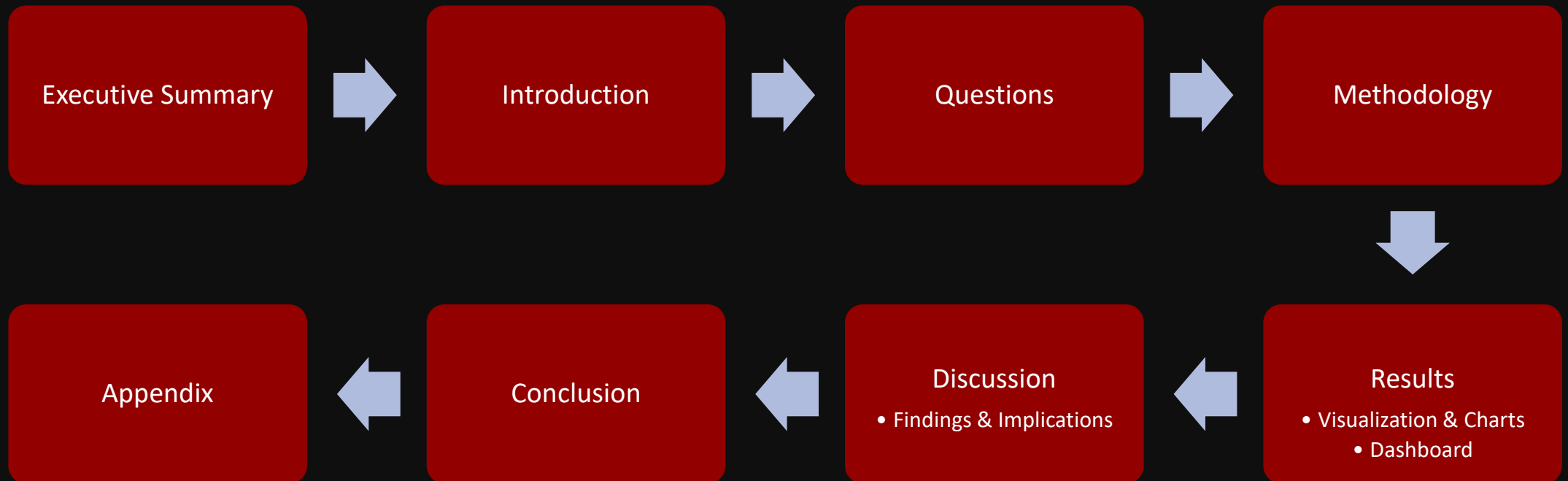
Trends in the IT Industry

Dec 2025

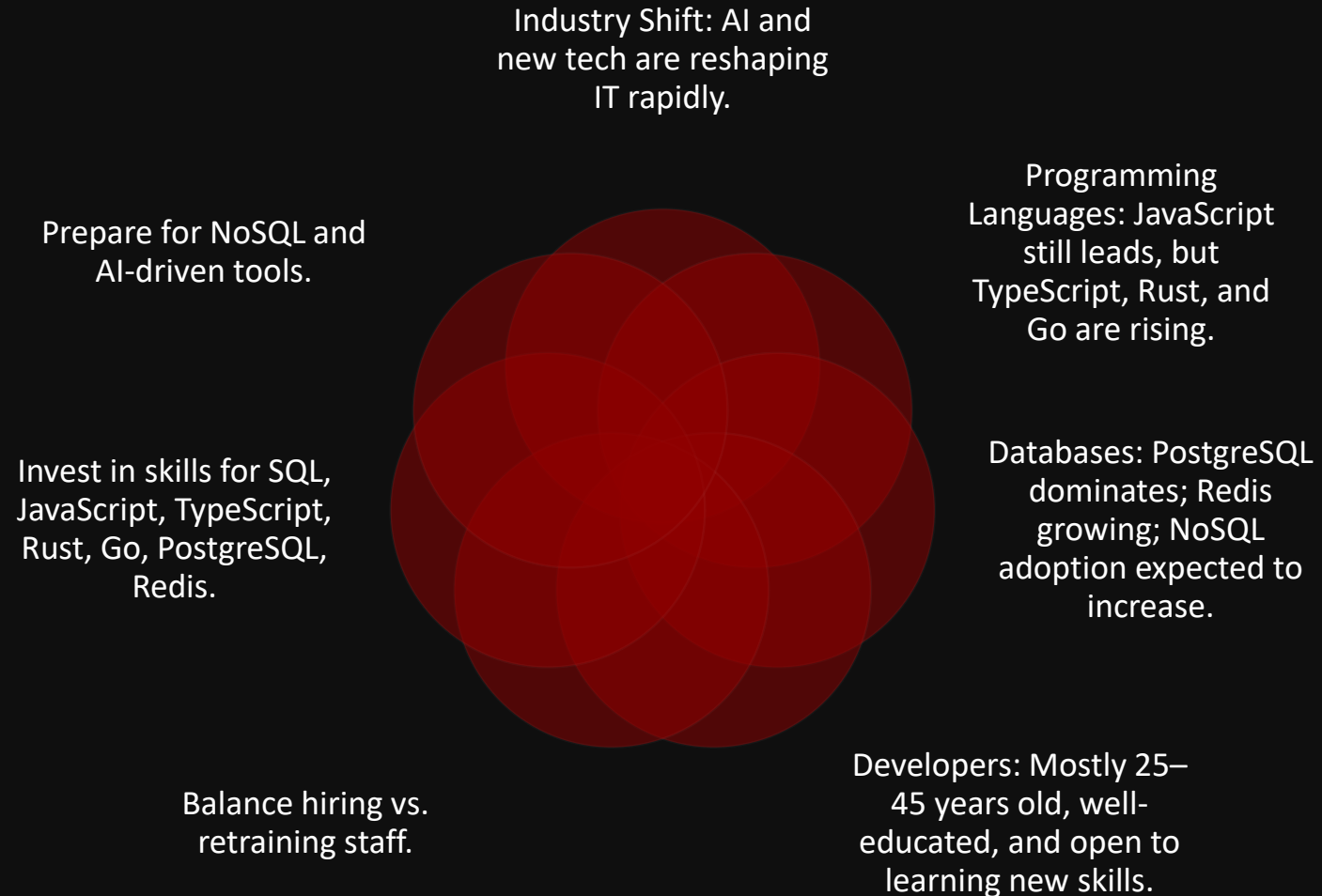
By
Roopam Das



Outline



Executive Summary



Introduction

The rapidly evolving tech landscape is a challenge for IT companies and for us we need to stay ahead in this. This is even more evident with the recent advancements in AI, the future of IT companies is more unstable than before.

With these changes it's only fair that we need to evolve. So, we need to understand what is happening and will happen with the developers around the globe.

Questions

Which programming languages are most in demand?

Which database technologies are currently most sought after?

Methodology

Data collection

Web Scraping
Secondary Research
(2024 Stack overflow
developer survey)

Method on collecting data

APIs

Data Wrangling

Removing duplicates
and removing null
values

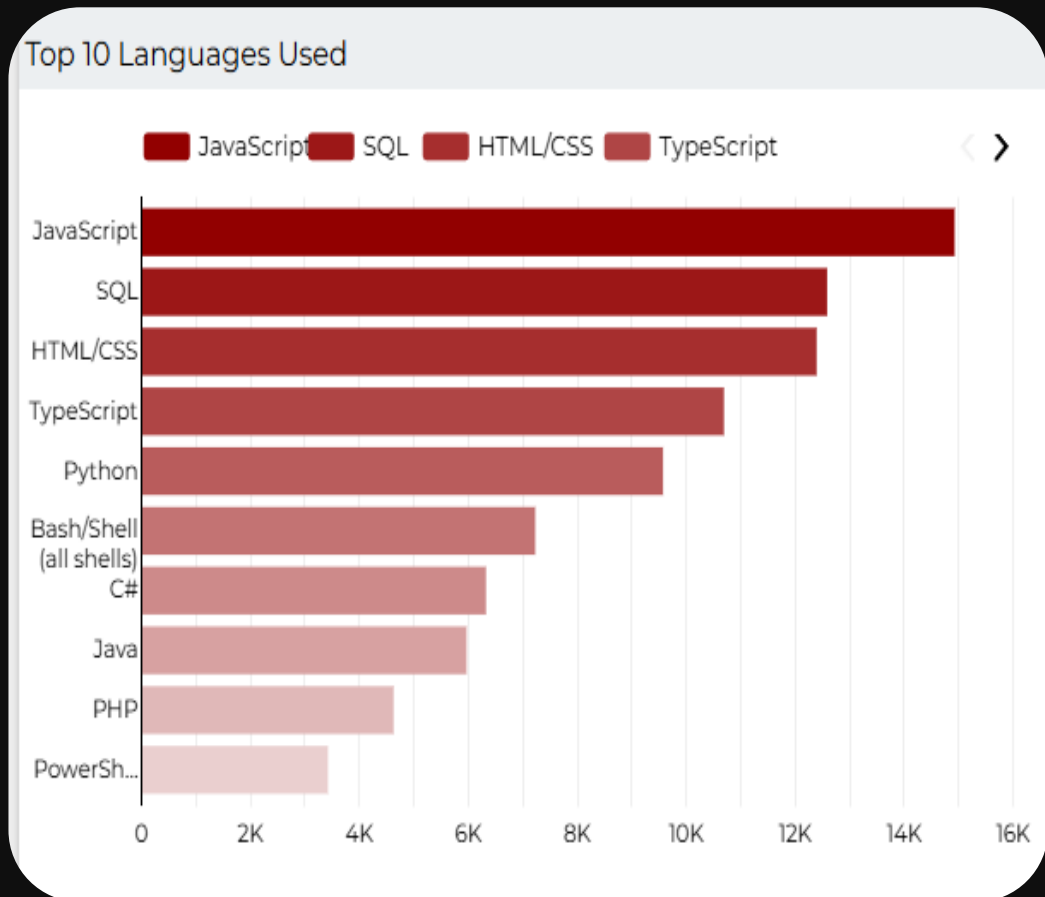
Data Analysis and Visualization

Correlation
Charts and Dashboards

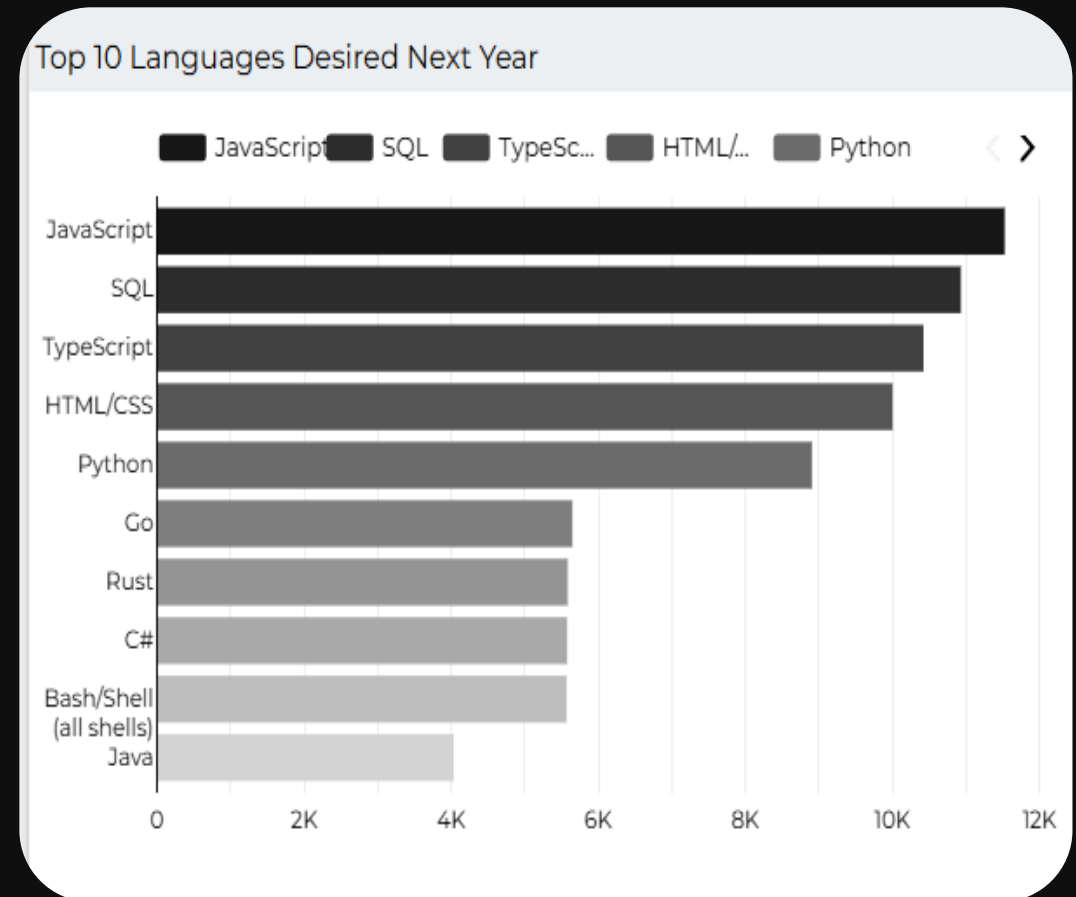
Results

Programming Language Trends

Current Year



Next Year



Programming Language Trends – Findings & Implications

Findings

JavaScript is dominating.

Bash is losing relevance.

JavaScript is slowly declining.

Implications

TypeScript is getting traction.

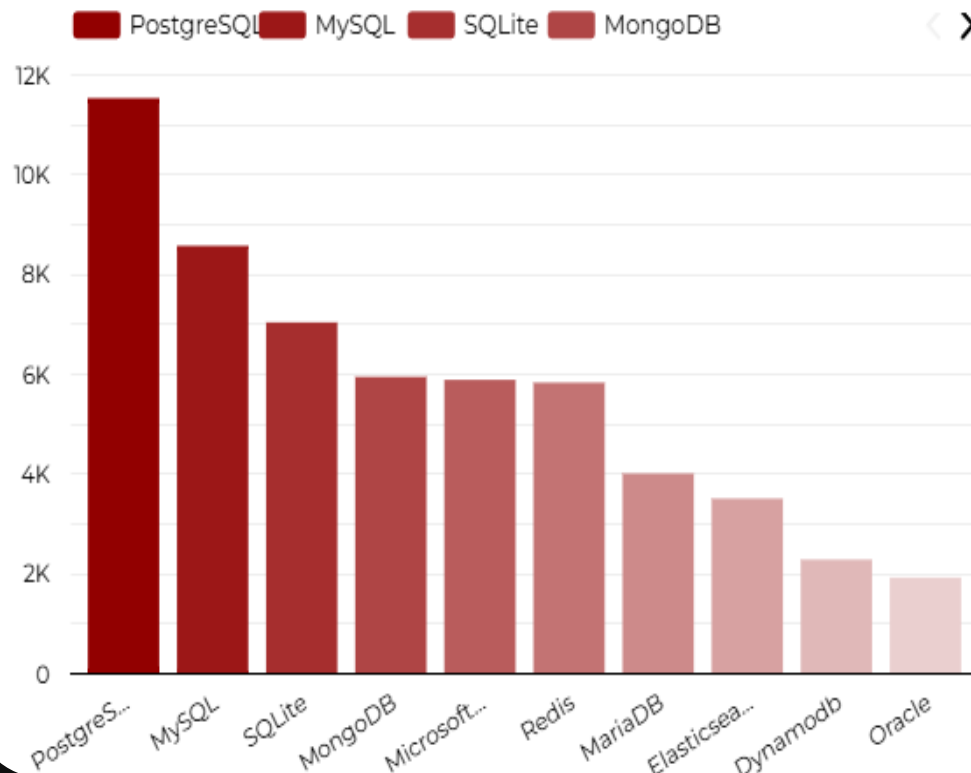
SQL is consistently strong.

Newer programming languages such as rust and go is getting popular.

Database Trends

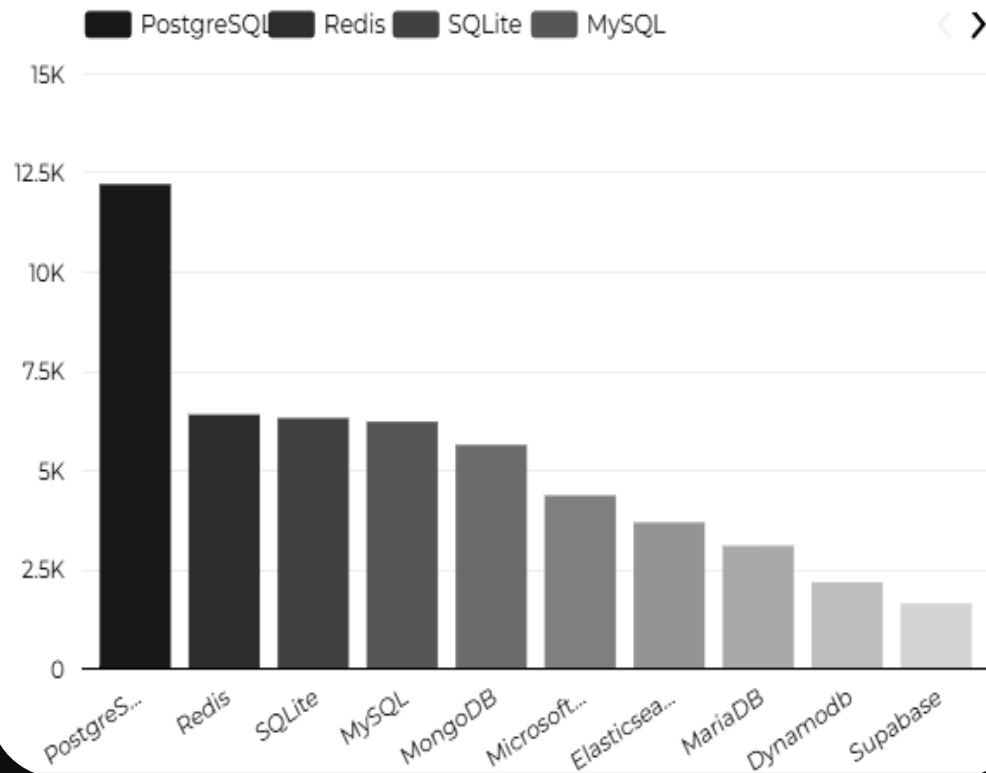
Current Year

Top 10 Databases Used



Next Year

Top 10 Databases Desired Next Year



Database Trends – Findings & Implications

PostgreSQL is
the most
popular
RDBMS.

Redis is getting
more popular.

Relational
databases are
dominate now.

Non-relational
databases is
expected to
rise.

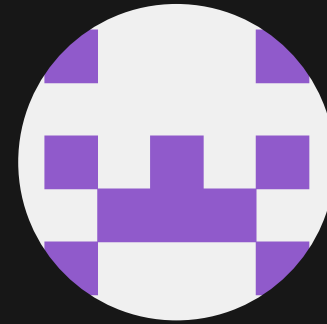
Findings

Implication

Dashboard



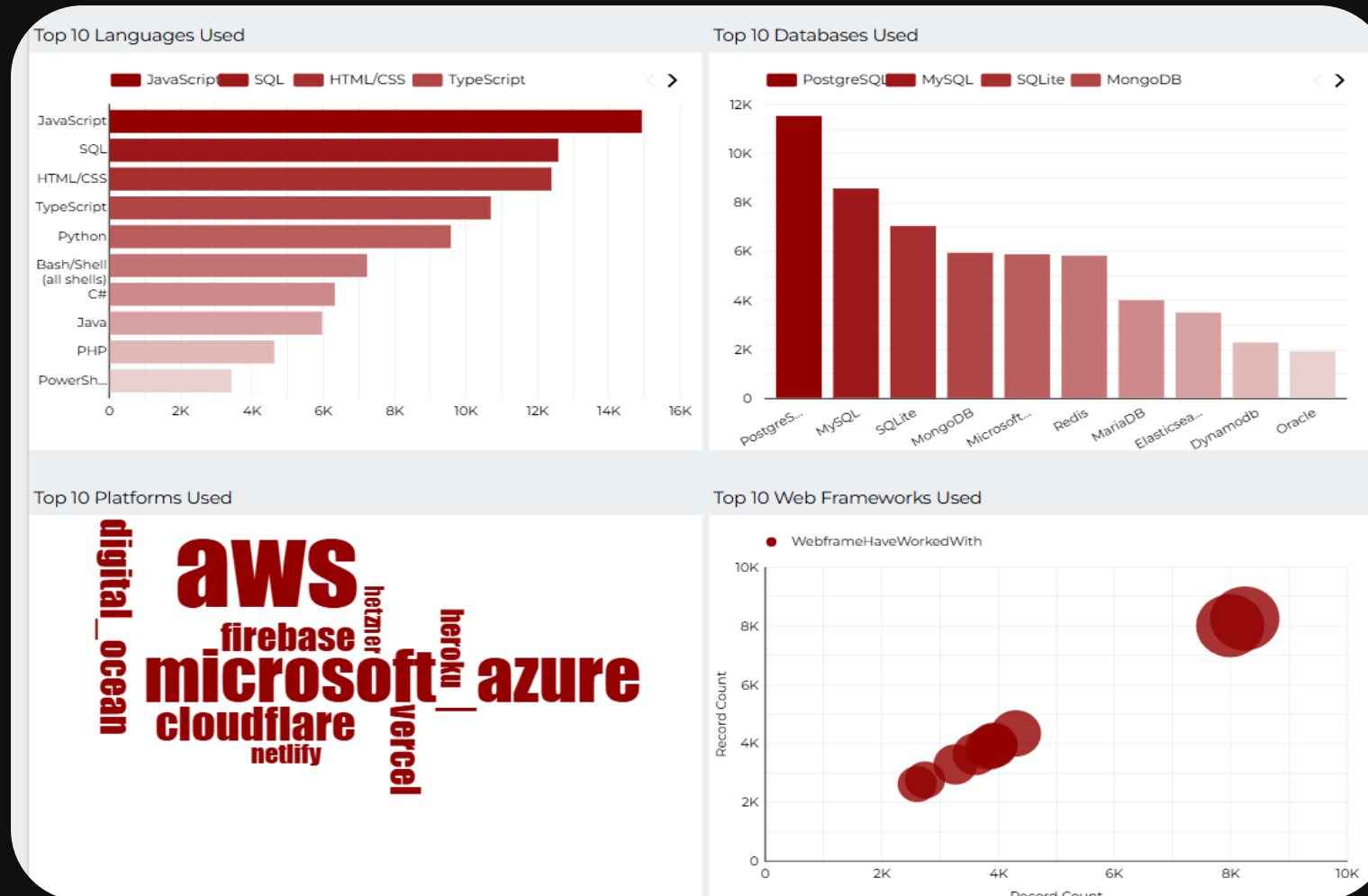
Visit my GitHub profile to get the full dashboard I have made for this presentation.



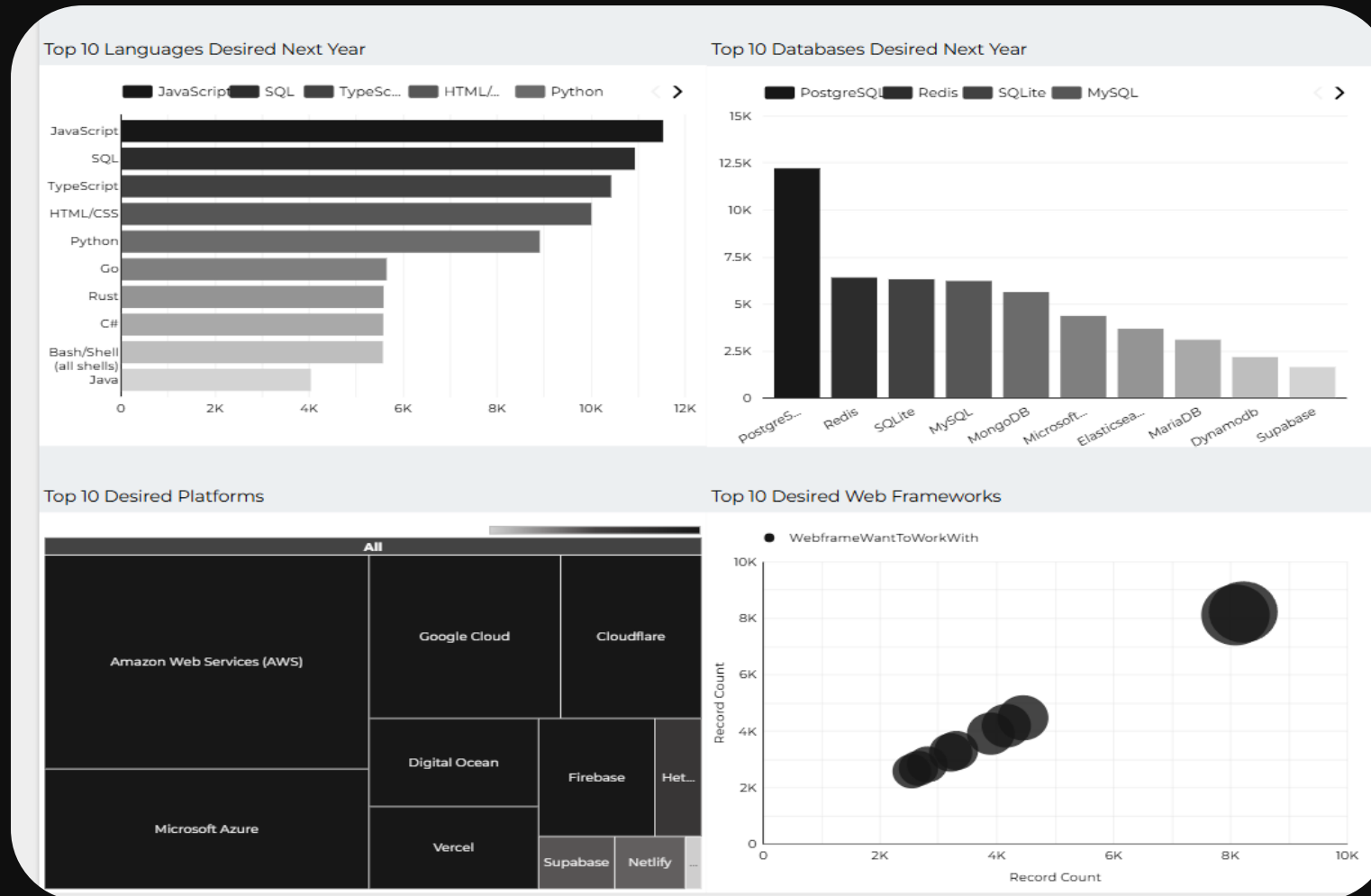
<https://github.com/roopamdas04/Python-for-data-analysis/tree/main/IBM%20Capstone%20project>



Dashboard Tab 1 – Current Technology uses

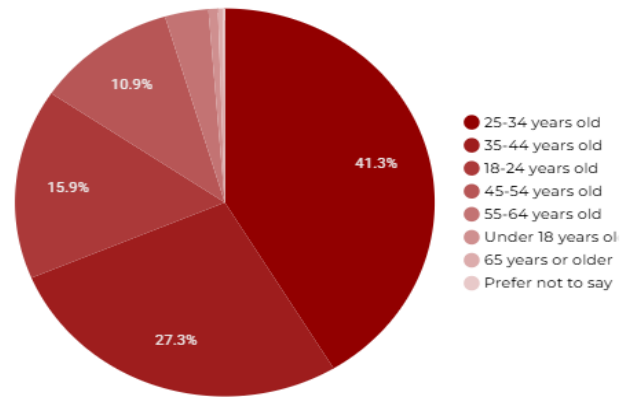


Dashboard Tab 2 – Future technology uses



Dashboard Tab 3 - Demographics

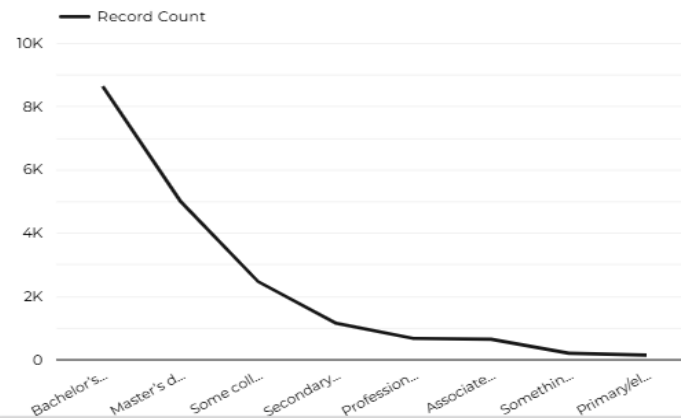
Respondents by Age



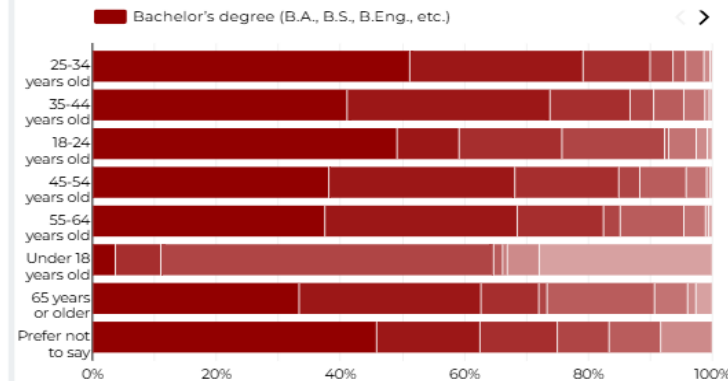
Respondent Count by Country



Respondent Distribution by Education Level



Respondent Count by Age, Classified by Education Level



Discussion

Overall Findings & Implication

Findings

- JavaScript will remain the main choice for coding languages, but it is facing tough competition.
- Postgres is the most demanding RDBMS.
- We can see a trend with the increasing adoption of newer(go and rust) coding languages.

Implications

- Developers are adaptable and motivated to upskill.
- Most hold at least a bachelor's degree, with some pursuing higher studies.
- Majority of developers are 25–45 years old in the survey.

Conclusion

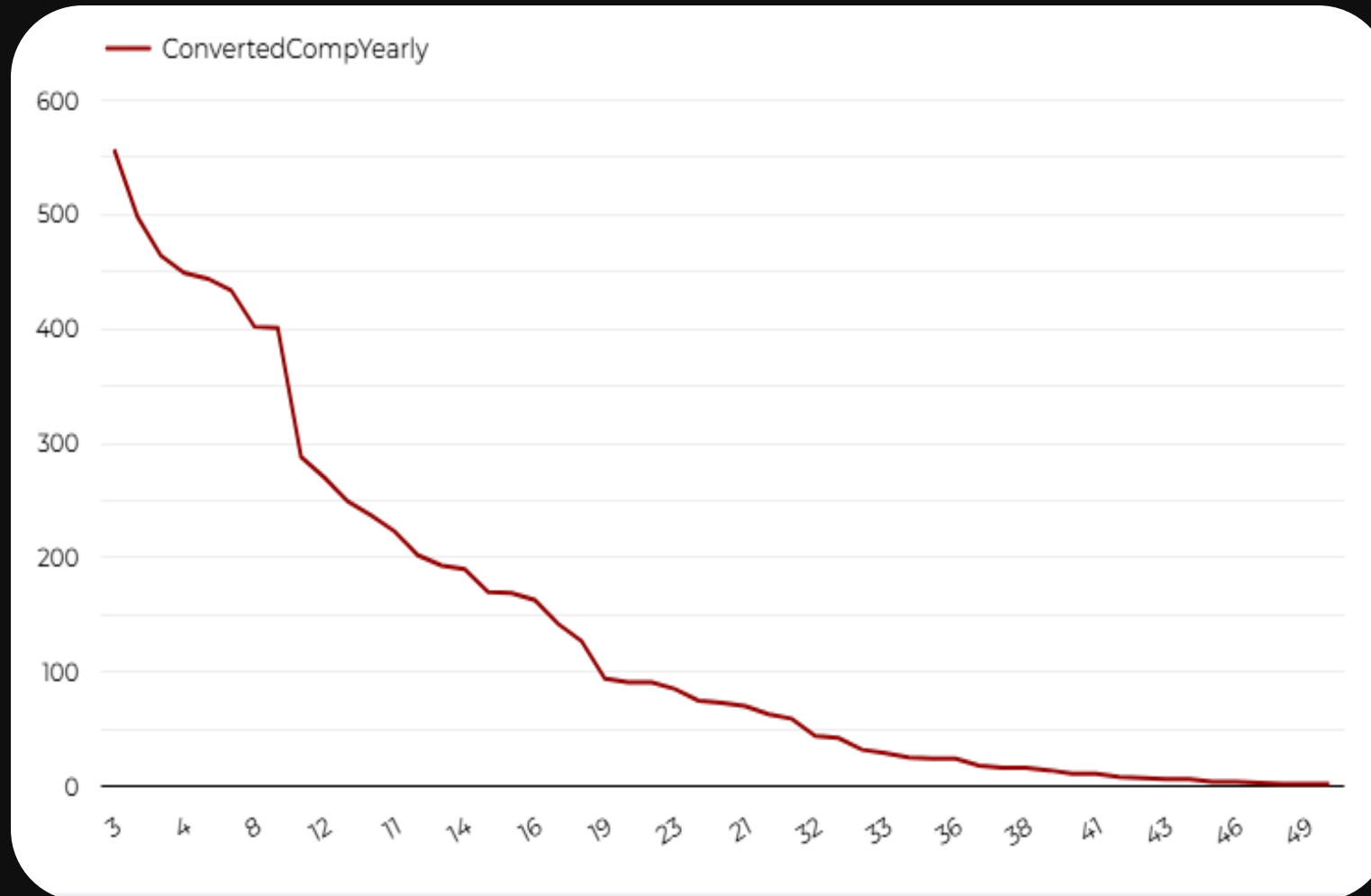
We can say that developers are quite open minded and want to upskill.

Companies must adapt hiring and training strategies to stay competitive in the upcoming years.

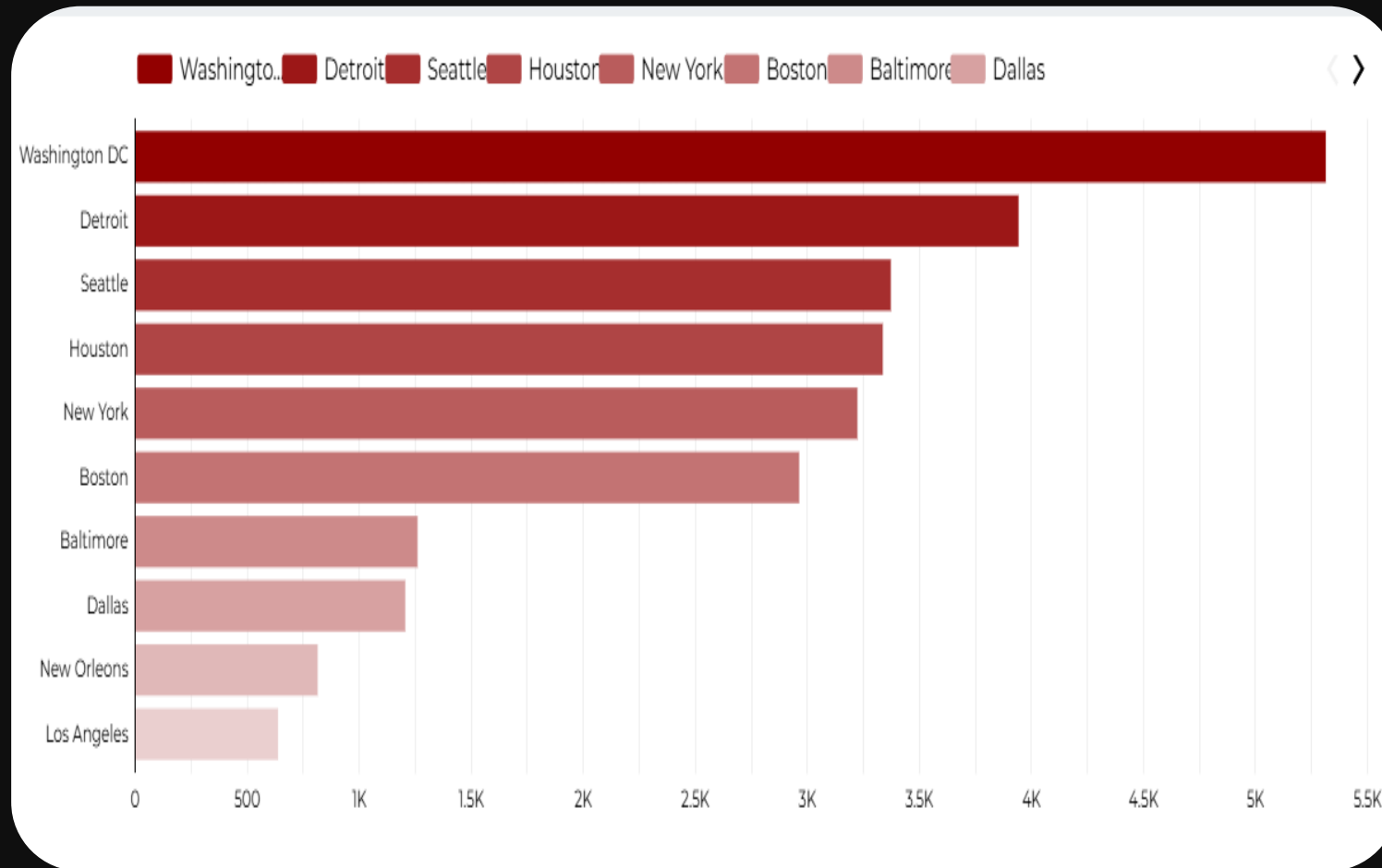
We can analyze the expected new skills & salaries for newer roles.

Appendix

Total annual pay vs Experience



Job Posting



Popular languages

