IBM Data Analyst

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OUTLINE

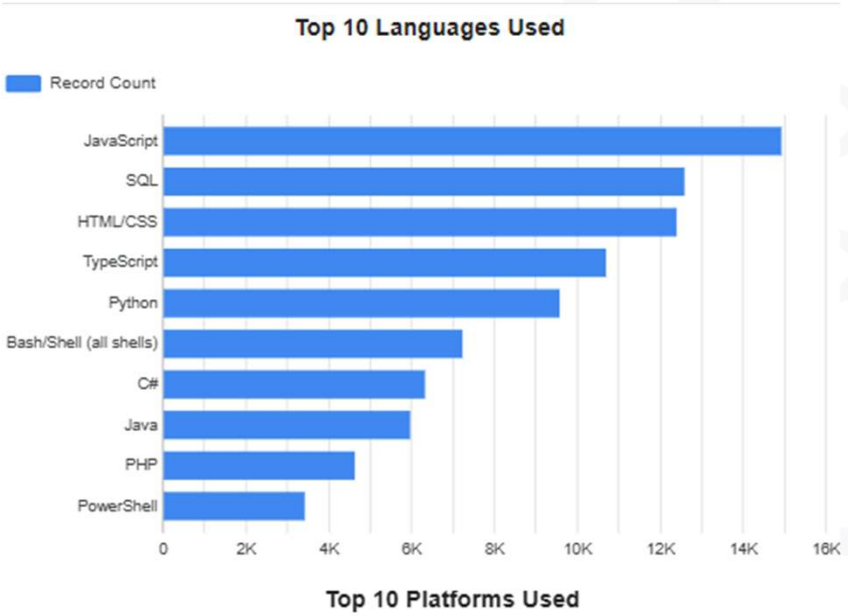
- Executive Summary
- Introduction
- Methodology
- Results
  - Visualization – Charts
  - Dashboard
- Discussion
  - Findings & Implications
- Conclusion

EXECUTIVE SUMMARY

- Popular Programming Languages
- Popular Databases
- Popular Webframes
- Demographics
- What can we draw from our findings?

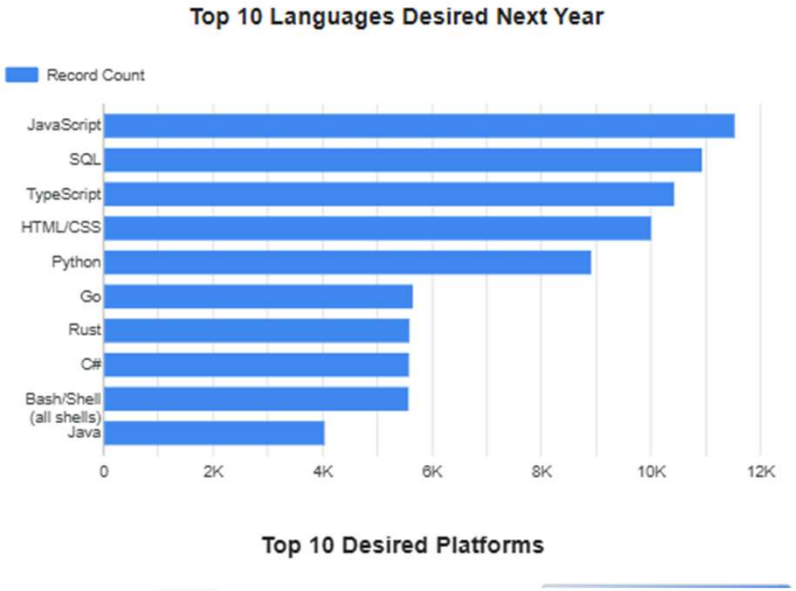
PROGRAMMING LANGUAGE TRENDS

Current Year



Top 10 Platforms Used

Next Year



Top 10 Desired Platforms

PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

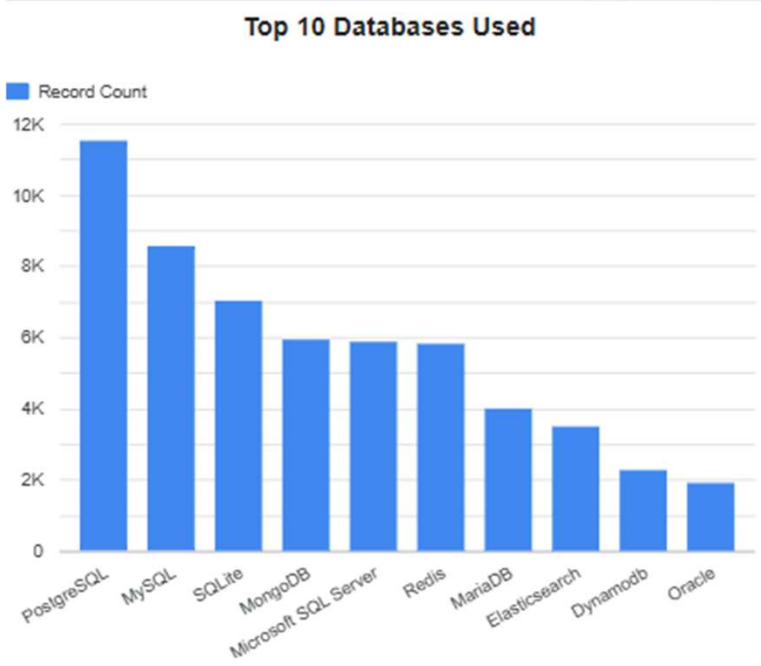
- There was less interest in next year's top programming languages
- JavaScript was the top language for the current and next year
- SQL had nearly the same interest for the current and next year

Implications

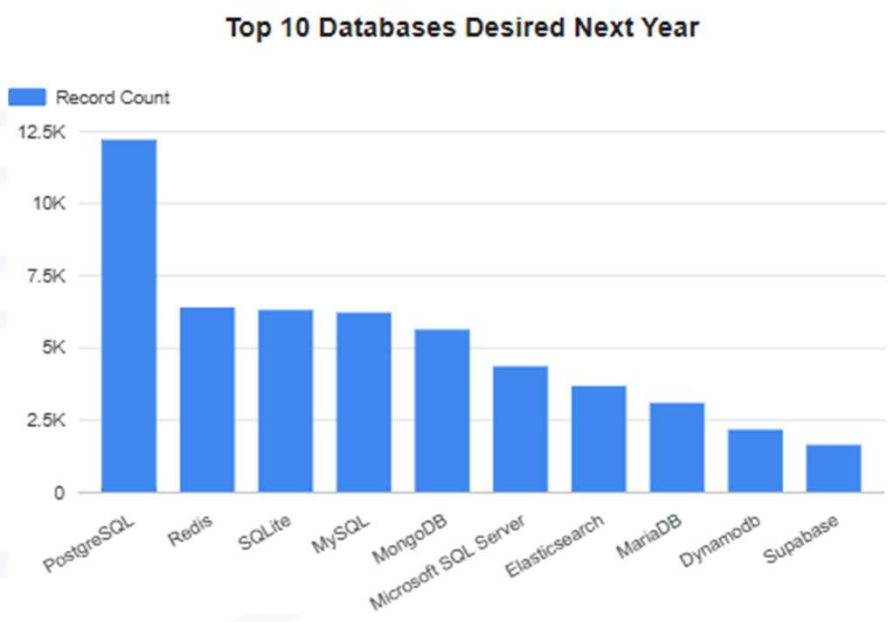
- Less people are interested in thinking about the next year than the current year
- JavaScript is a very popular language
- SQL is a consistently popular language that isn't going away

DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

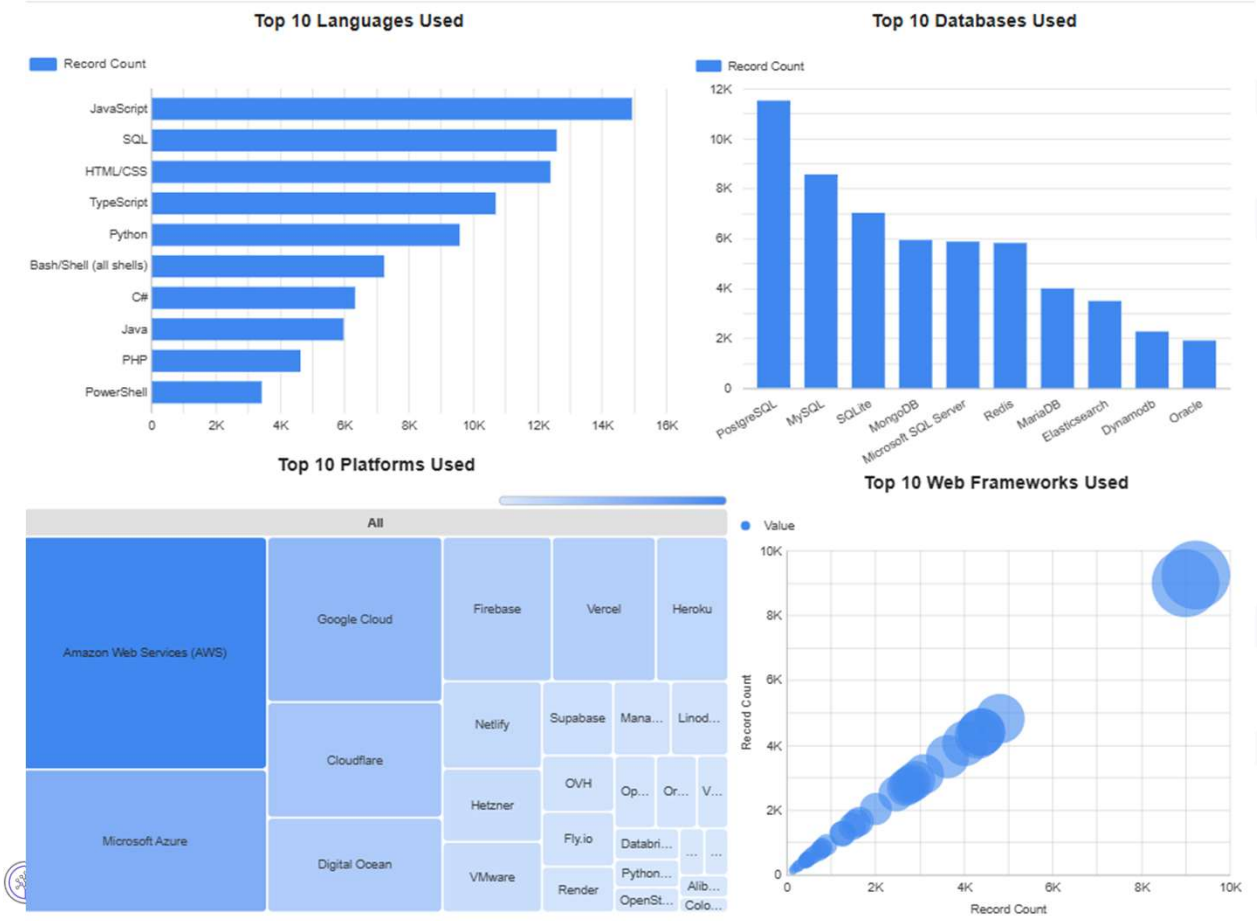
- PostgreSQL far surpasses others in numbered counts
- MySQL fell far behind from the current to the next year
- Oracle fell off next year's list

Implications

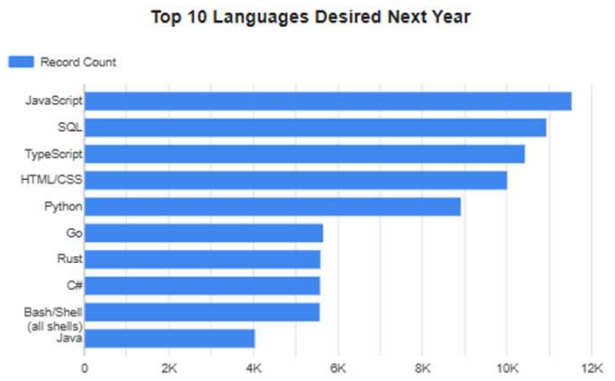
- PostgreSQL is clearly the most desired and widely used database
- MySQL must have limitations that lead users to not preferring it as a database
- Oracle is either outdated or not versatile enough to hold its own in terms of popularity

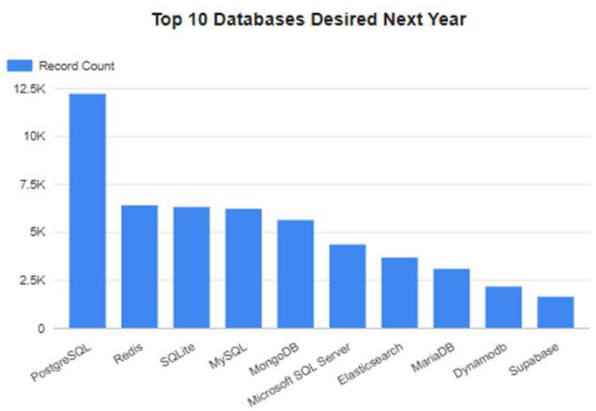
DASHBOARD

DASHBOARD TAB 1



DASHBOARD TAB 2





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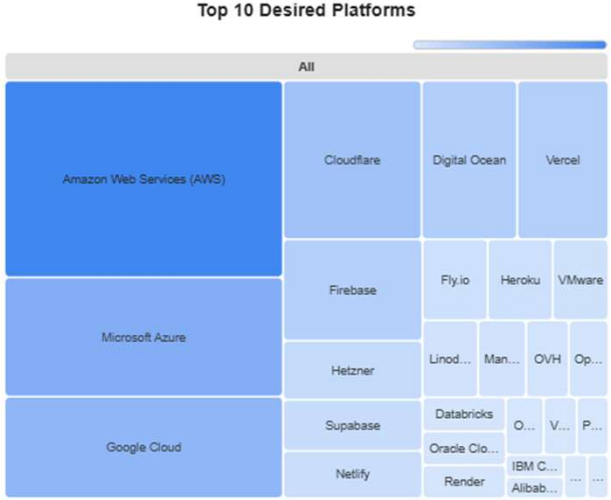
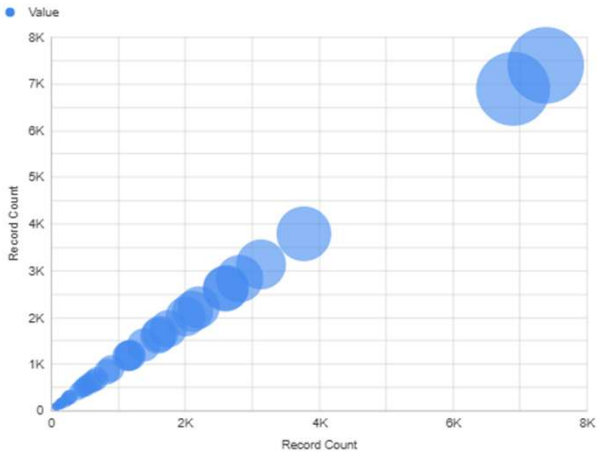
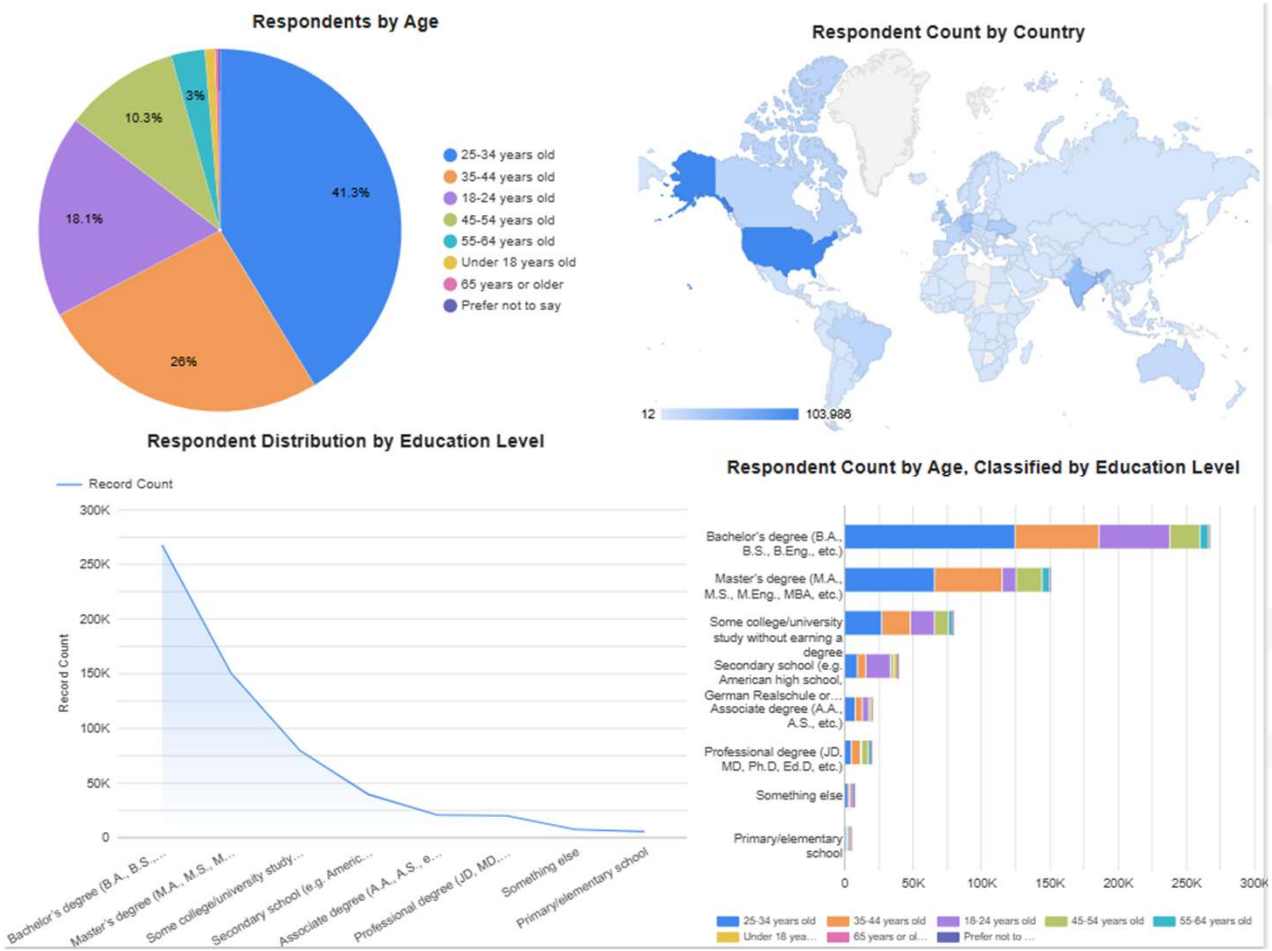




DASHBOARD TAB 3



DISCUSSION

- What did we take away from the data?

OVERALL FINDINGS & IMPLICATIONS

Findings

- AWS is the clear winner of platforms used
- Those with Bachelor's degrees, ages 25-34 from the United States make up the majority of respondent demographics
- JavaScript and PostgreSQL are the most popular for languages and databases, respectively

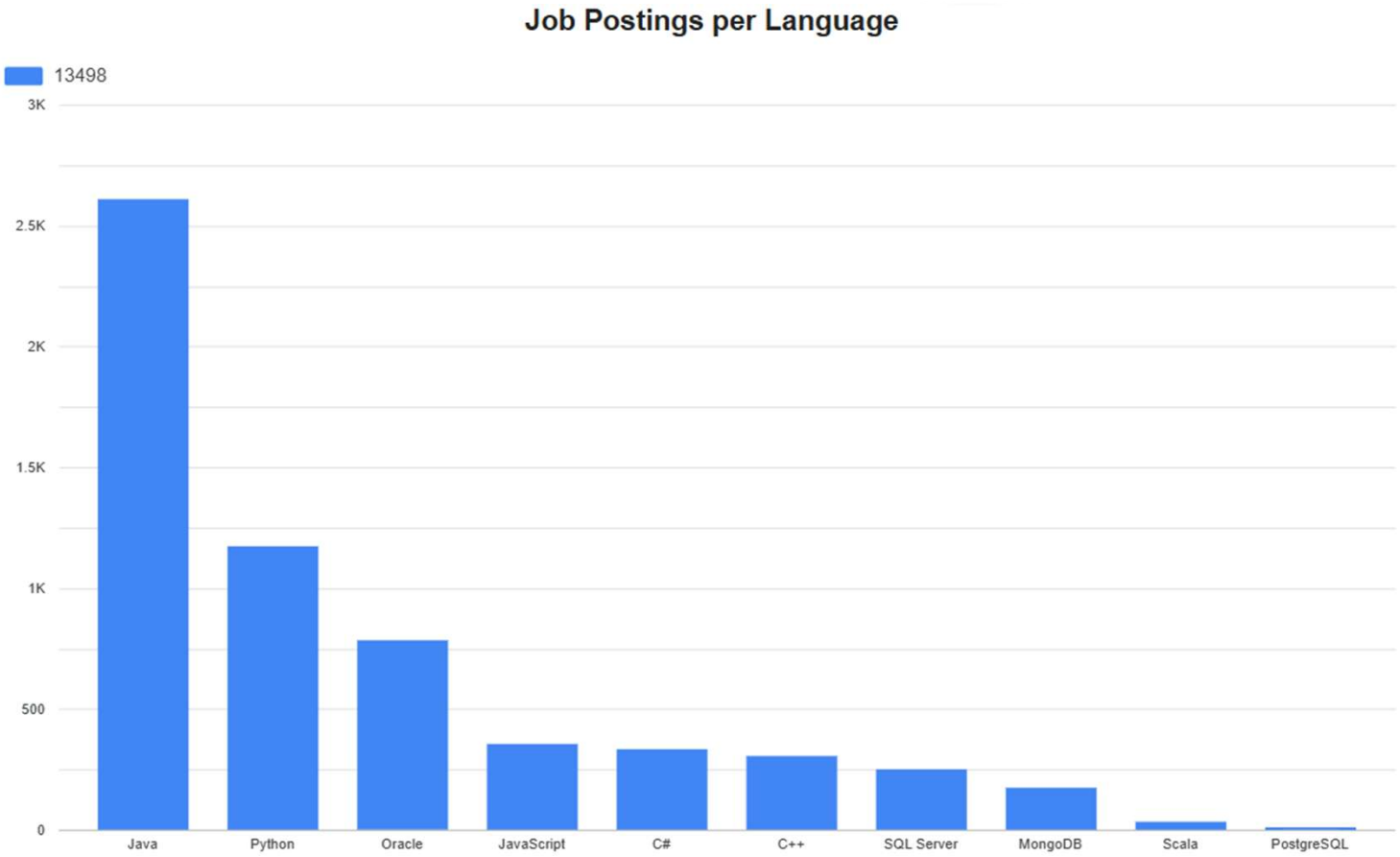
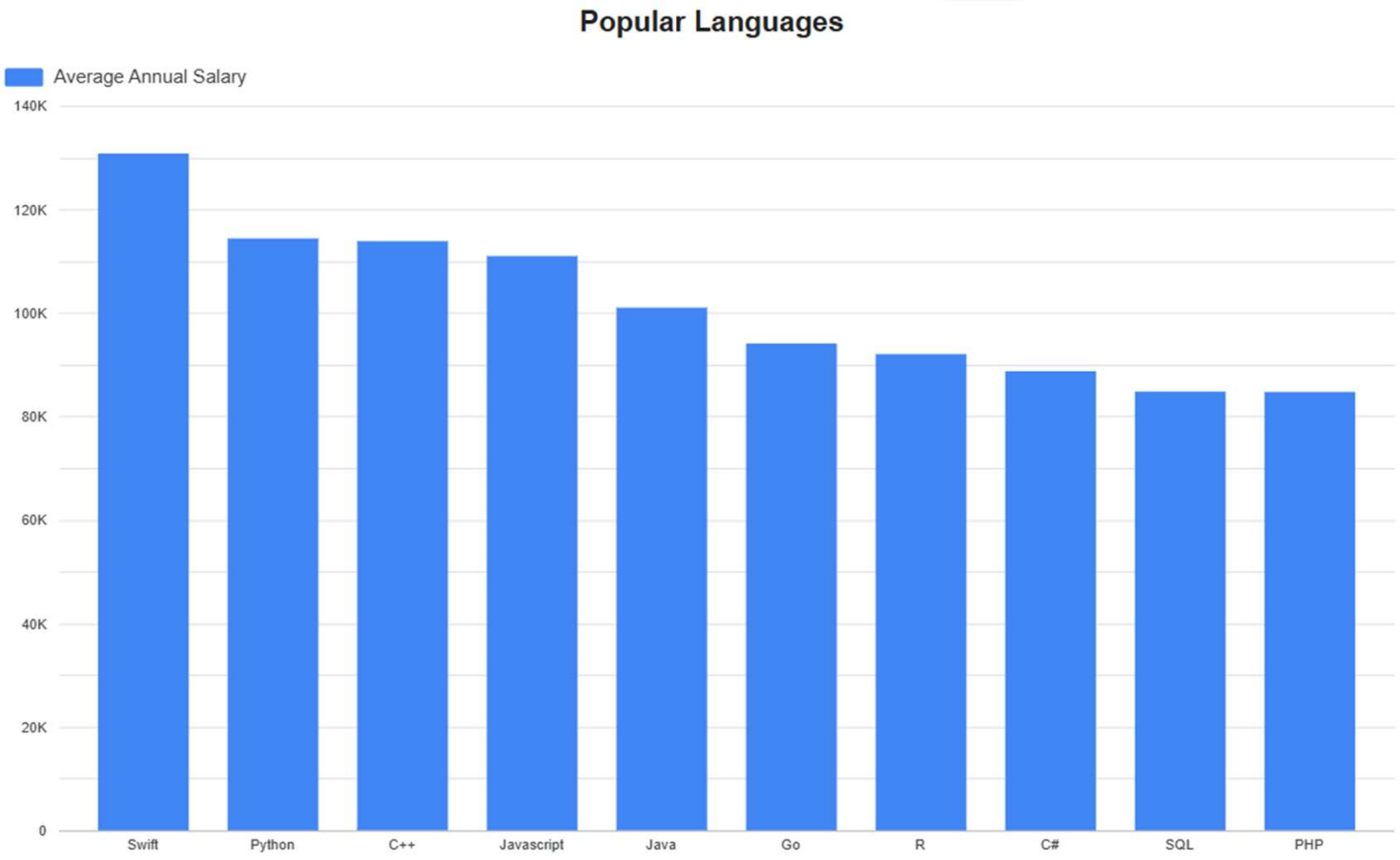
Implications

- AWS offers the most useful tools and versatility to perform day to day tasks
- This demographic were either targeted or had the most self-interest in responding to this survey
- JavaScript and PostgreSQL offer the most useful tools and versatility to perform necessary tasks

CONCLUSION

- JavaScript is the leading language people both use and want to continue using
- PostgreSQL is the top database the majority uses and wishes to continue working with
- AWS is the best and most versatile platform for people to perform their work with
- Those from the United States, Ages 25-34 with Bachelor's Degrees were the top respondent demographic for this survey

JOB POSTINGS



POPULAR LANGUAGES