



Technologies and Demographics

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OUTLINE



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

EXECUTIVE SUMMARY



- Current Technology Usage?
 - Programming Languages
 - Databases
 - Platforms
 - Web Frames
- Future Prospects for Technology Usage?
- Who is our Demographic?

INTRODUCTION



- Insights into Respondents working in technology
- Useful information to identify trends in technology for the upcoming year.
- Demographics of people working in technology
 - Age
 - Gender
 - Education Level
 - Country

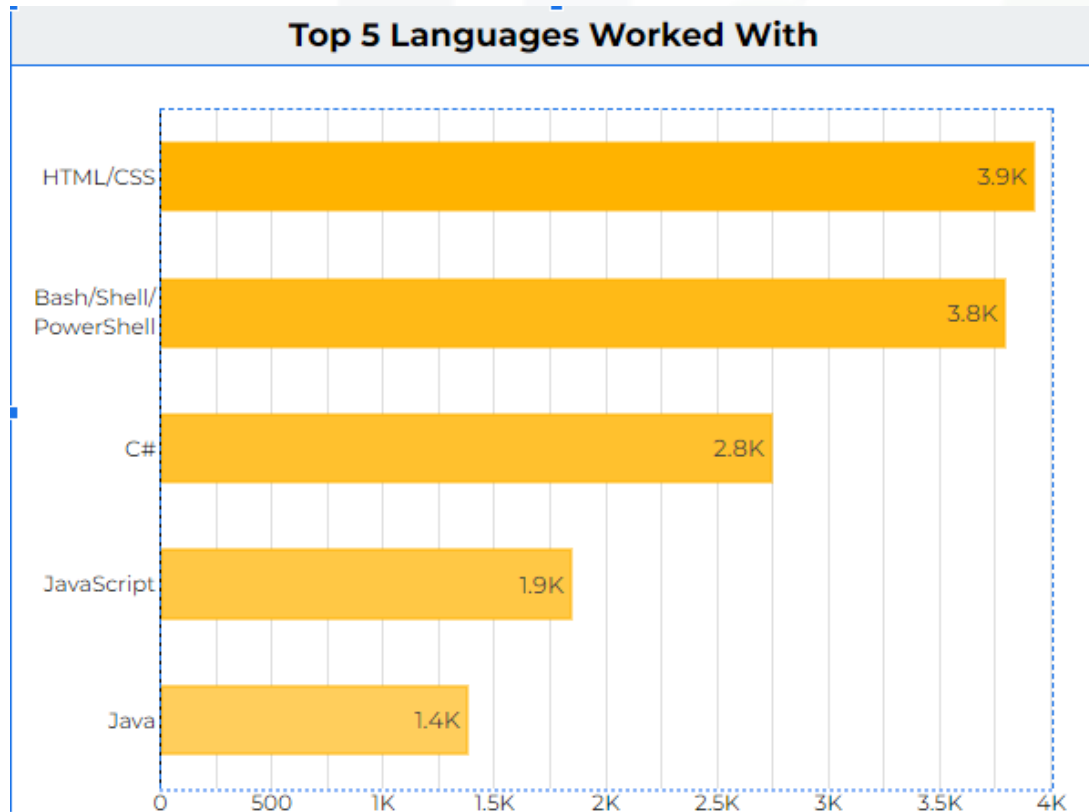
METHODOLOGY



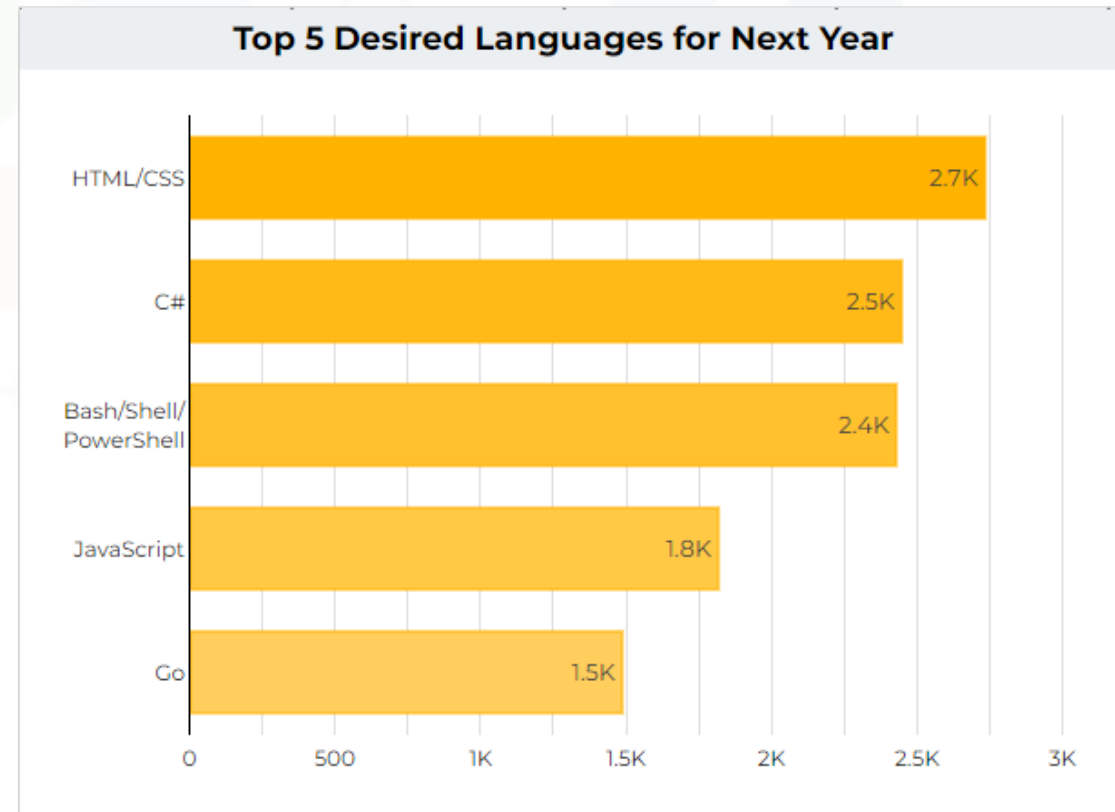
- Data Analyzed using Looker Studio
- Data Sources
 - m5_survey_data_technologies_normalized
 - m5_survey_data_demographics

PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- HTML/CSS is the most used language worked with along with Bash Shell/PowerShell and C#

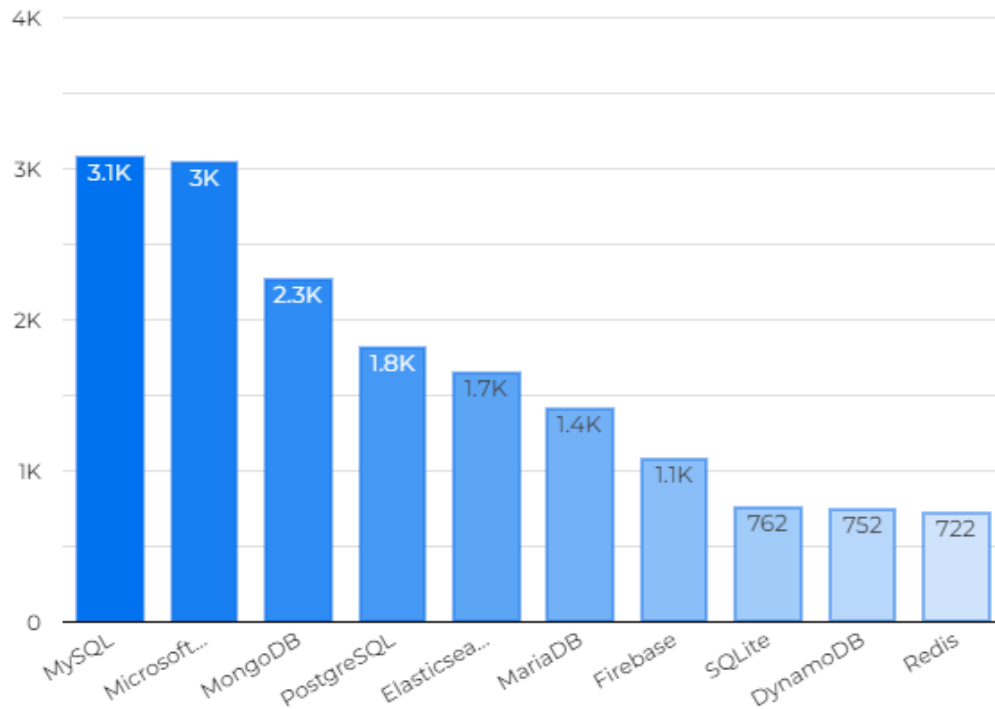
Implications

- Next shows that the current top 3 languages are still in demand for next year.

DATABASE TRENDS

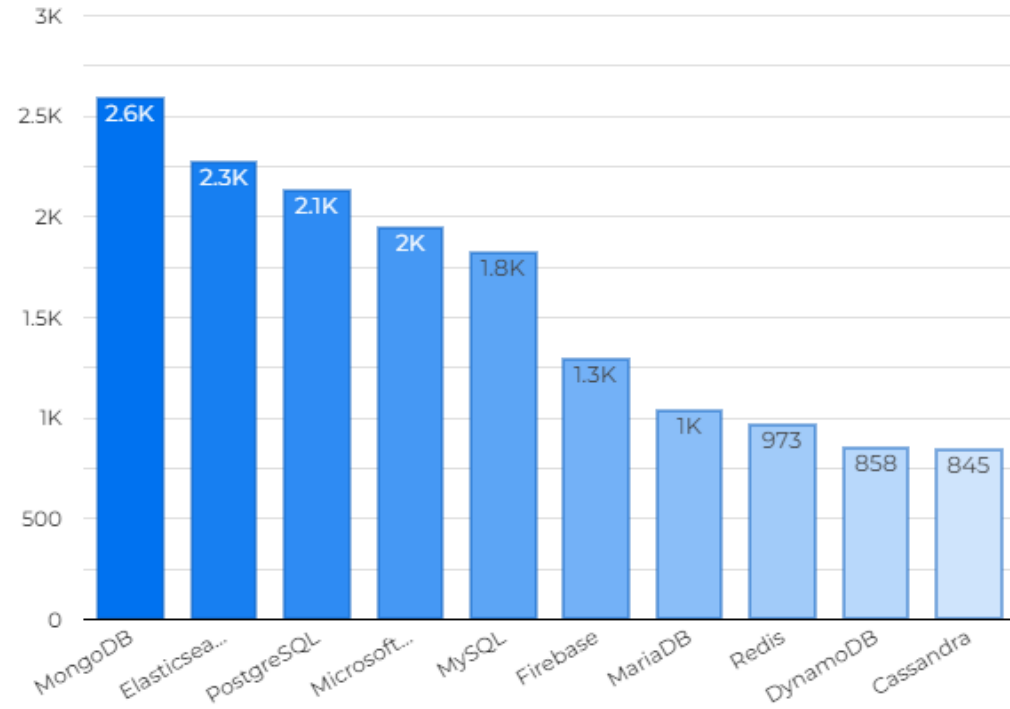
Current Year

Top 10 Databases Worked With



Next Year

Top 10 Desired Database for Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySQL is currently the top Database worked on with 3.1k respondents using it.
- Next year shifts the databases that our respondents want to work on significantly with MongoDB leading at 2.6k.

Implications

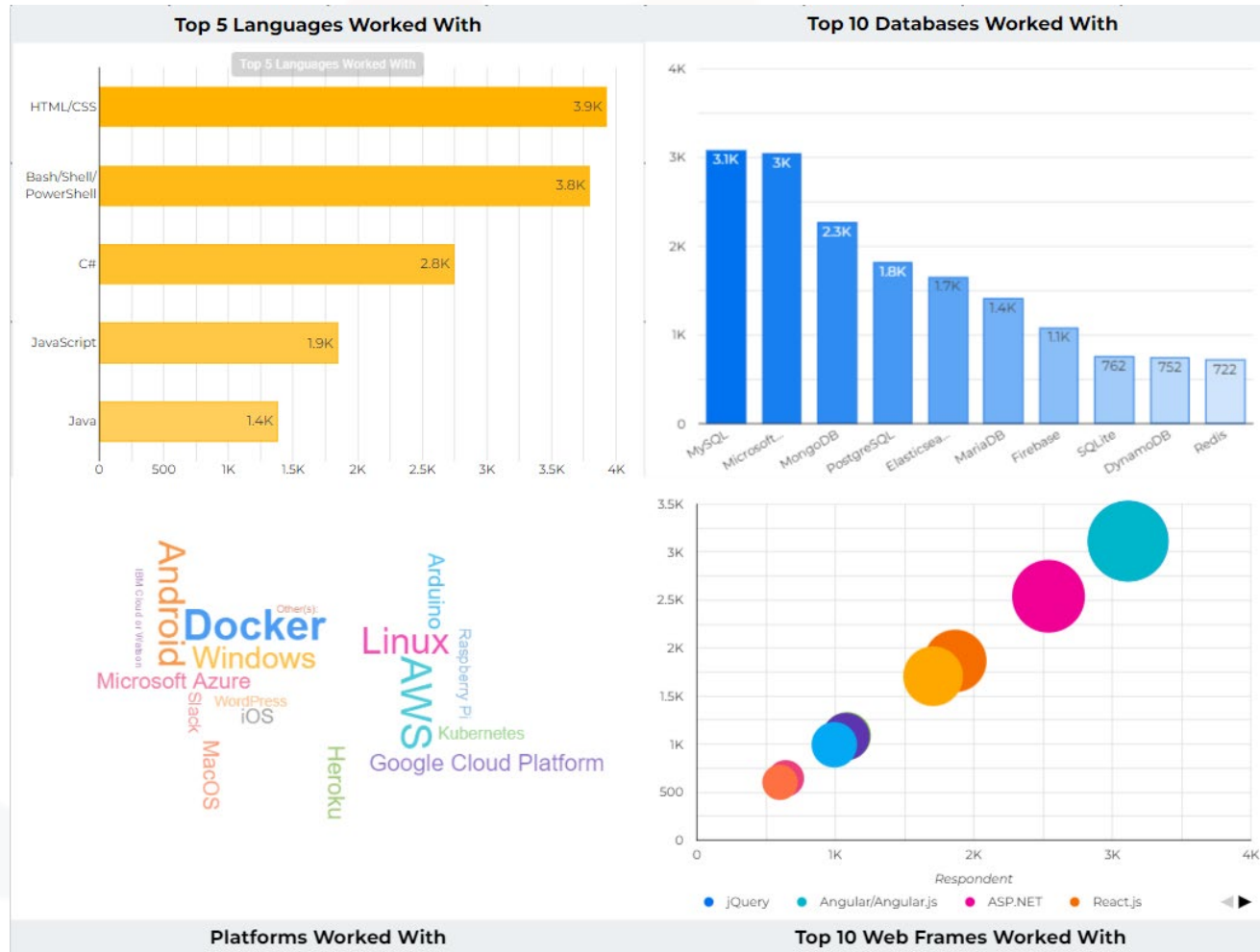
- We will see an increase use of MongoDB databases in companies next year along with Elasticsearch and Postgre SQL.

DASHBOARD

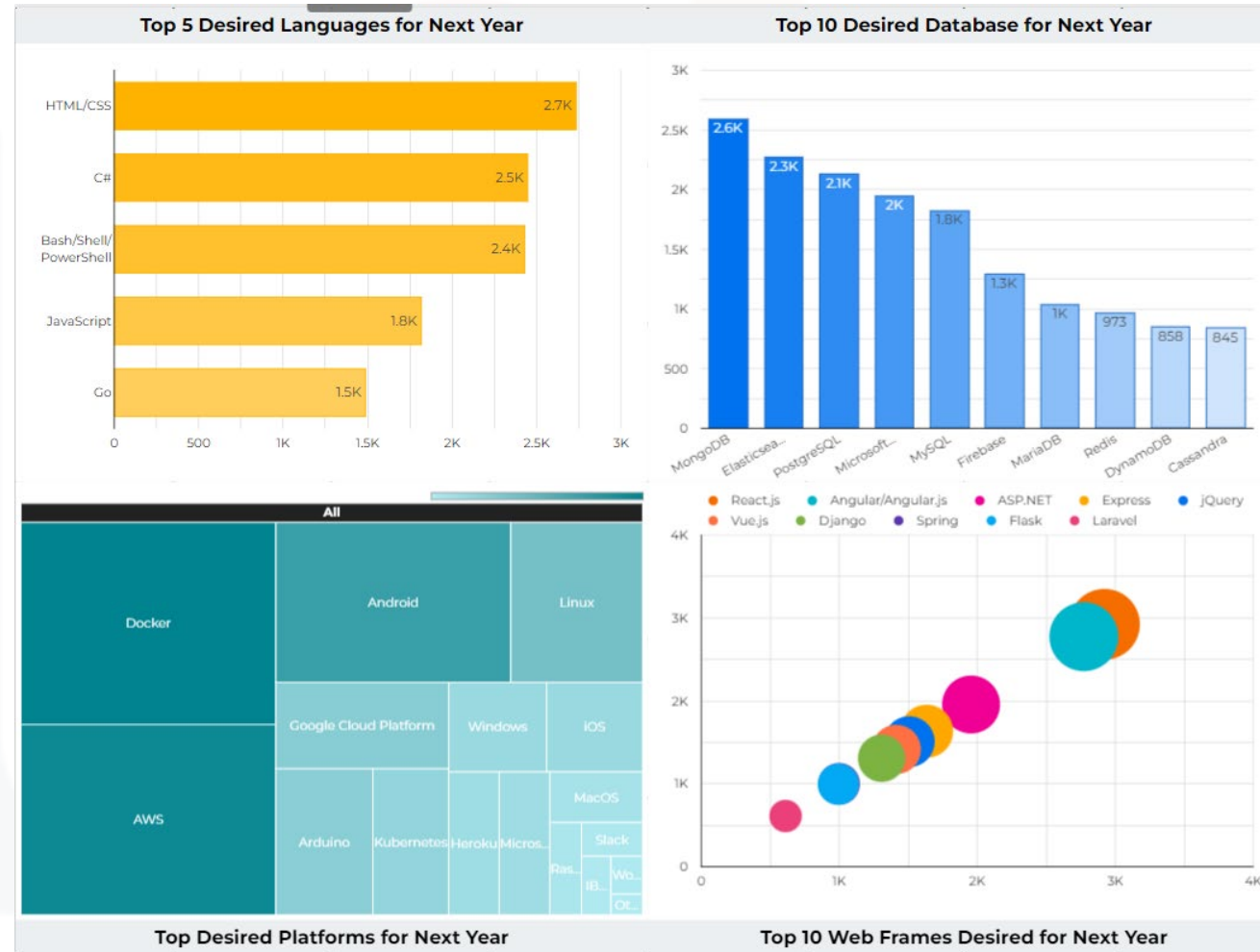


Github Link

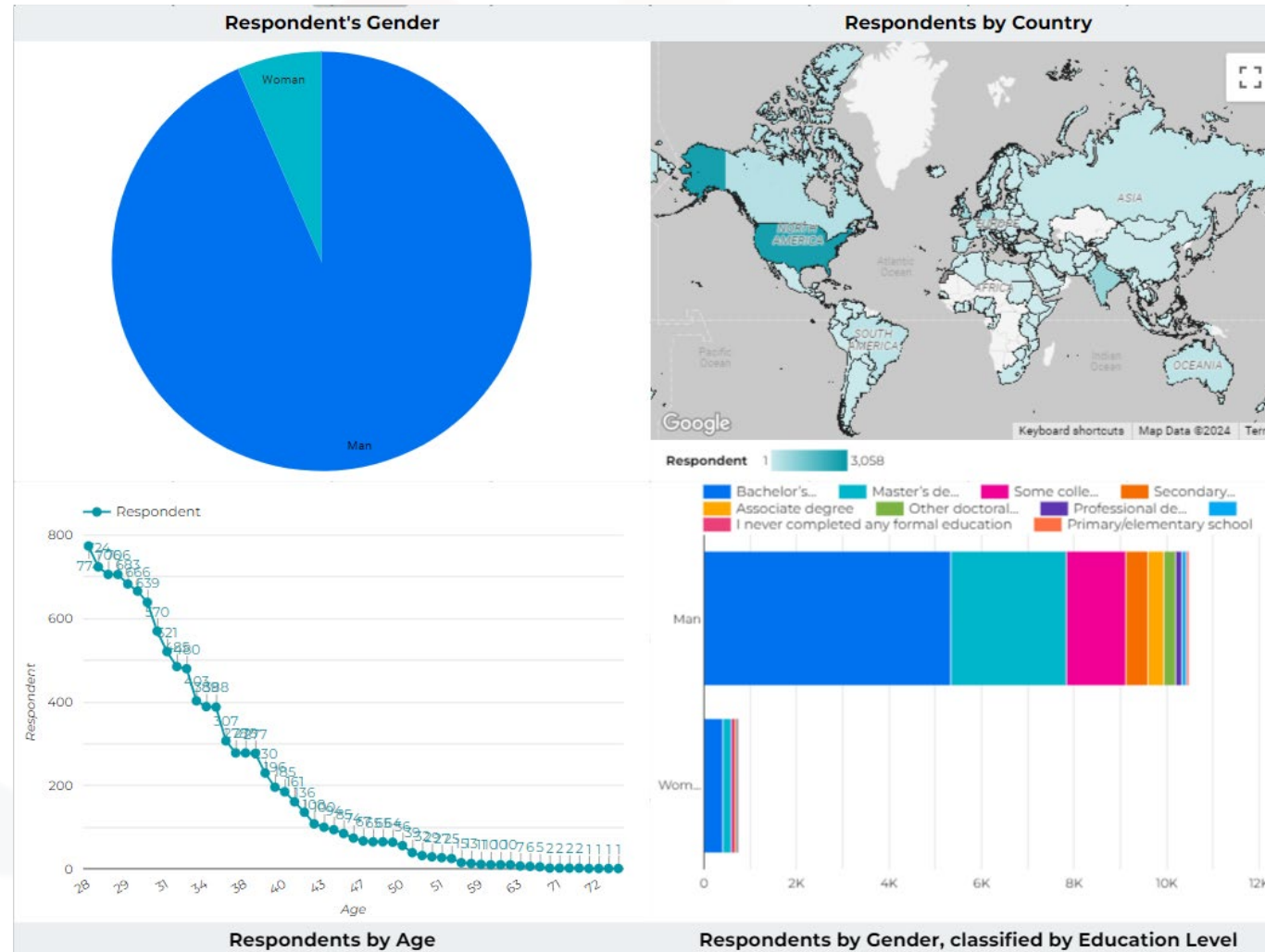
Current Technology Usage



Future Technology Trend



Demographics



DISCUSSION



- What technologies should we consider changing in order to meet global demand.
- Should we use consider training for new databases to our current workforce.

OVERALL FINDINGS & IMPLICATIONS

Findings

- HTML/CSS is the language most used this year.
- MySQL is the database most used this year.
- Docker is the Platform most worked on this year.

Implications

- Trends show us HTML/CSS will continue being the top language
- MySQL will drop in demand as trends show.
- Docker will continue to be a high demand platforms next year.

CONCLUSION



- We see no major change in programming languages next year.
- We see major change in databases for next year with MongoDB being among the popular choices
- We see Docker, AWS, and Android will be the most popular platforms next year.
- We see no major change in web frames next year.

POPULAR LANGUAGES

