Programming Languages and Database Trends

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OUTLINE

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EXECUTIVE SUMMARY

- Programming Language Trends
- Databases Trends
- Current Technology Usage
- Future Technology Trend
- Programming Languages that are Most Wanted in Jobs
- Average Salary of the Most Popular Languages

INTRODUCTION

- Programming Languages
- Databases
- Current use / Future trend
- Demographics
  - Popular languages
  - Highest paid languages

METHODOLOGY

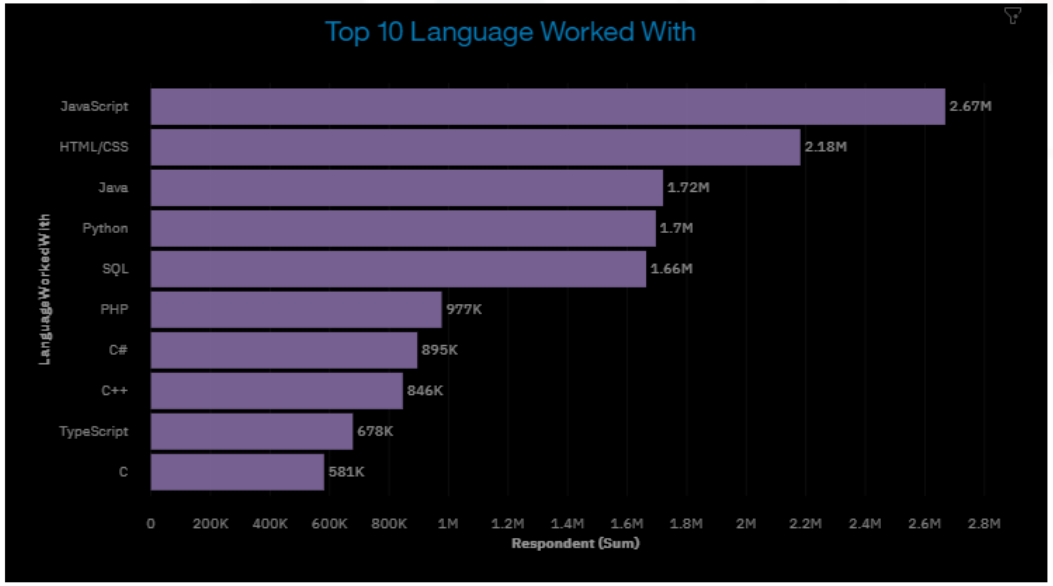
- Study current language use and future trend
- Study current database use and future trend
- Analyse findings
- Analyse most popular languages by job postings
- Analyse better paid language by anual salary

RESULTS

PROGRAMMING LANGUAGE TRENDS

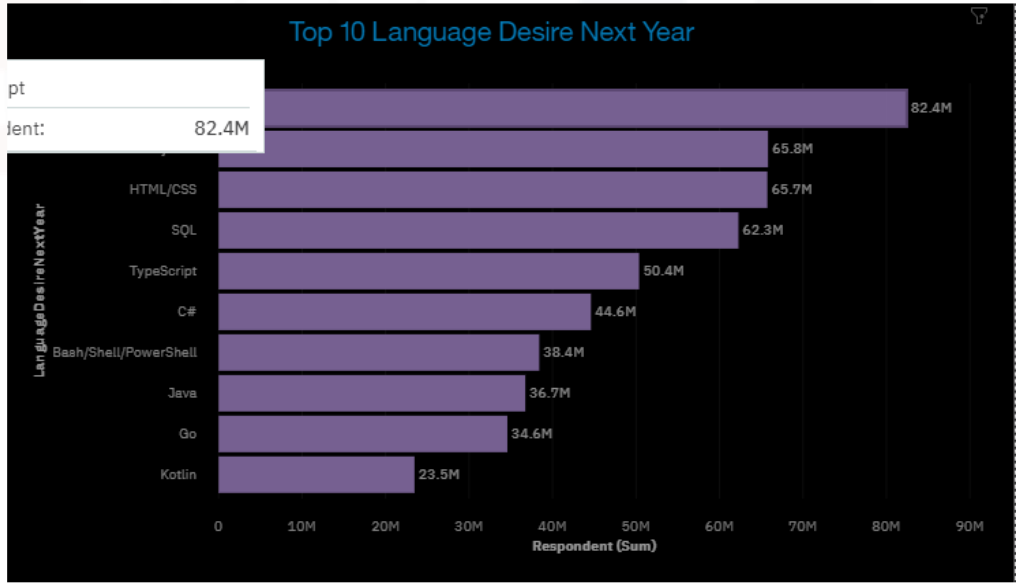
Current Year

<Bar chart of top 10 programming languages for the current year goes here.>



Next Year

< Bar chart of top 10 programming languages for the next year goes here.>



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Top languages programmers currently work with:

- JavaScript
- HTML/CSS
- Java

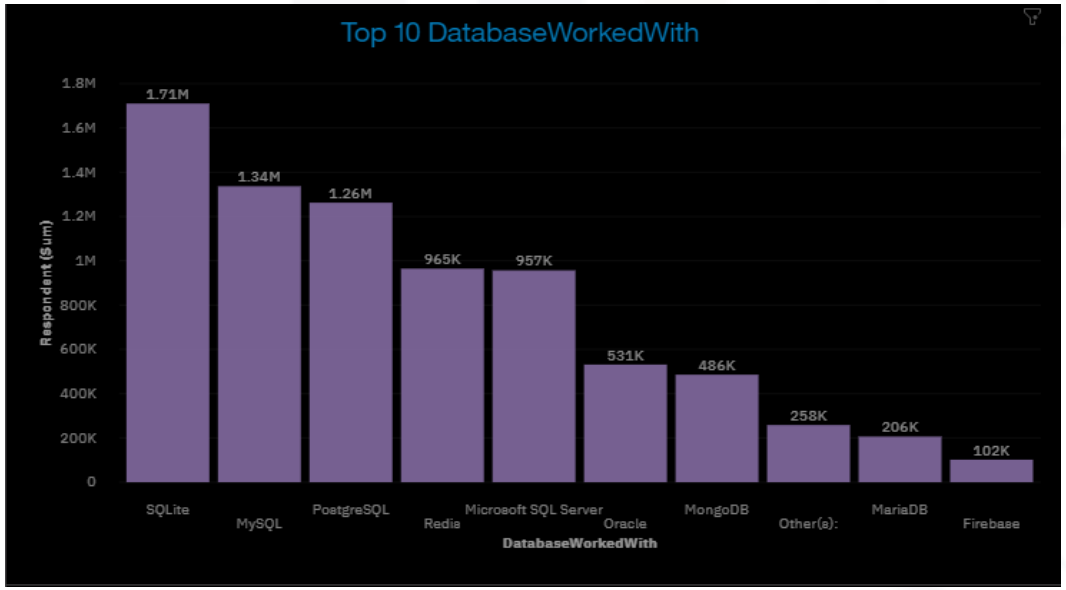
Top languages programmers will work with next year:

- JavaScript
- Python
- HTML/CSS

DATABASE TRENDS

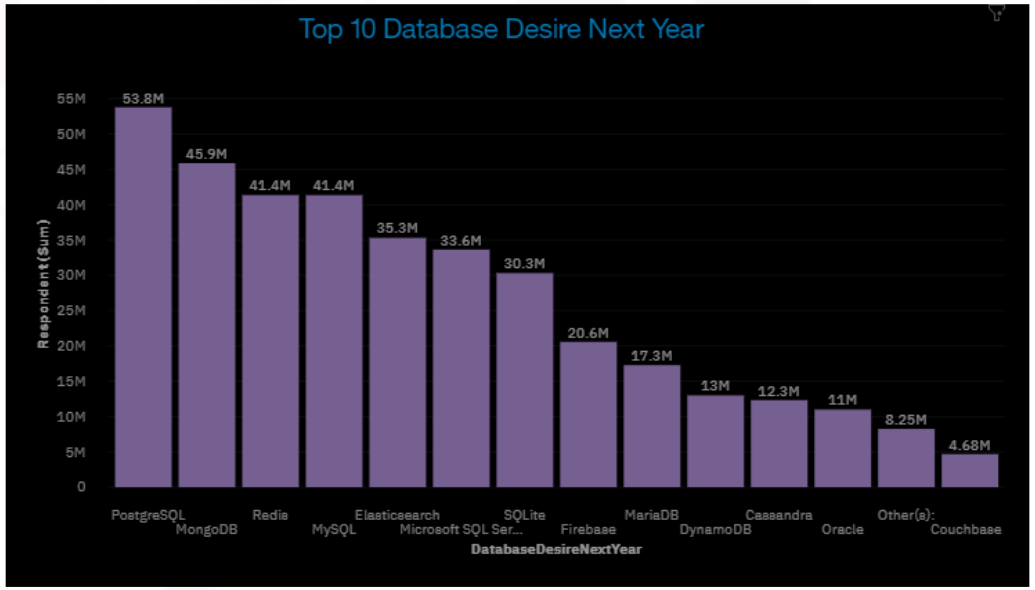
Current Year

< Bar chart of top 10 databases for the current year goes here >



Next Year

< Bar chart of top 10 databases for the next year goes here.>



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Top databases programmers currently work with:

- SQL lite
- MySQL
- PostgreSQL

Top databases programmers will work with next year:

- PostgreSQL
- MongoDB
- Redie

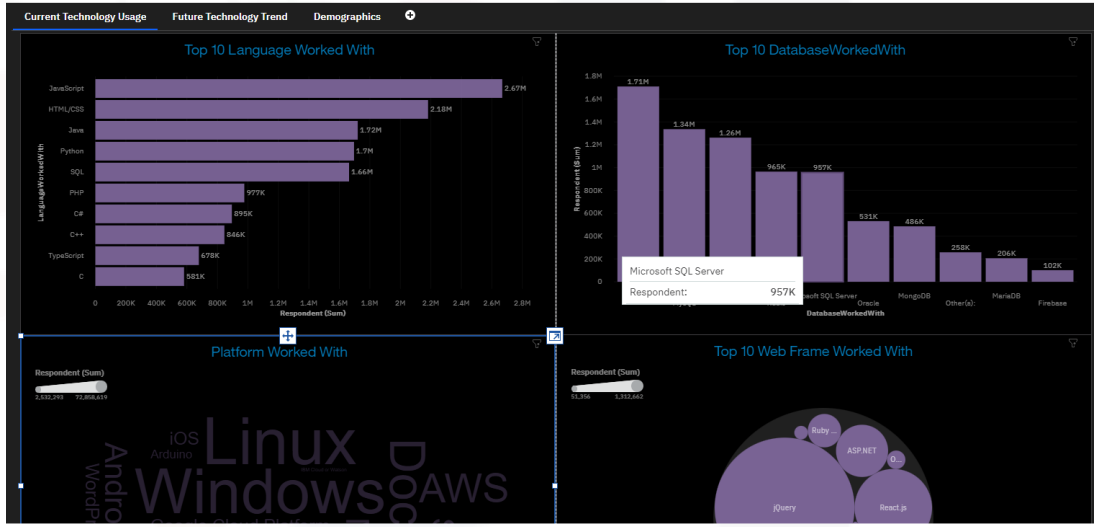
DASHBOARD

<The permanent link of the read-only view of the Cognos dashboard goes here.>

https://eu-gb.dataplatform.cloud.ibm.com/dashboards/1c4ba71d-6b63-4802-8f7c-56d7c8d6b705/view/1d31de79679c28f771c3e2e407912d067961260fe7bb8a5184847b495d357797f06b1091c82f4952df150535a5b8405fc1

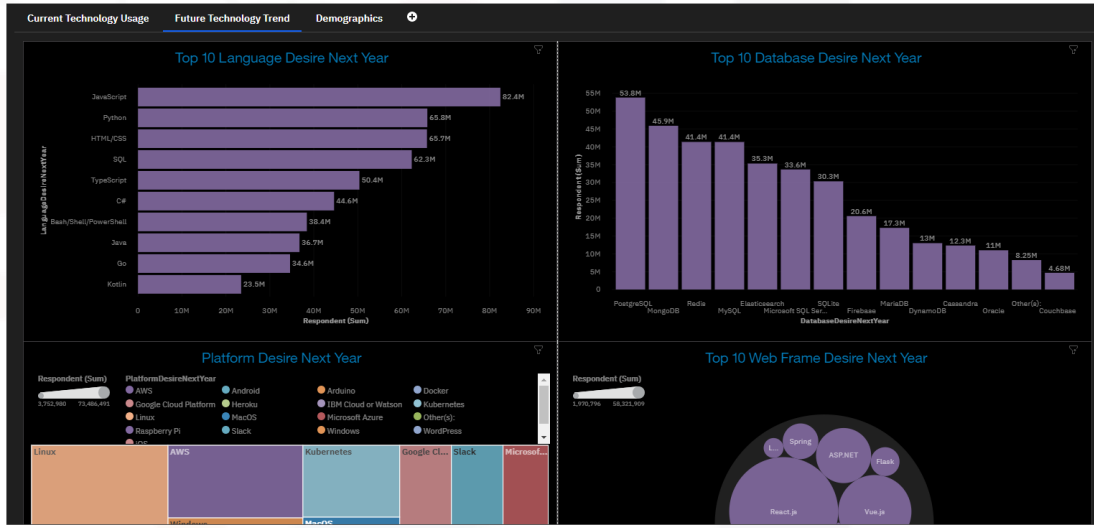
DASHBOARD TAB 1

Screenshot of dashboard tab 1 goes here



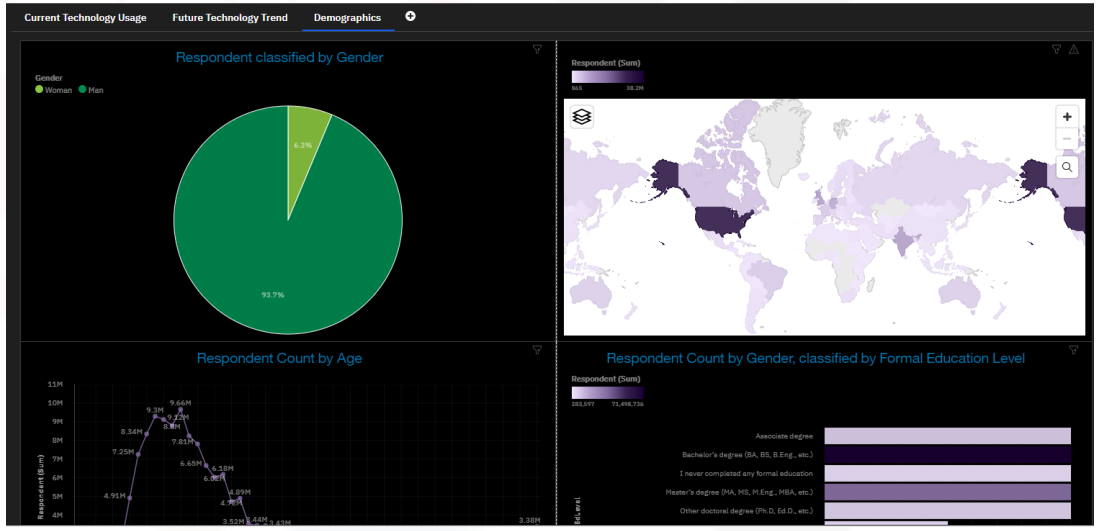
DASHBOARD TAB 2

Screenshot of dashboard tab 2 goes here



DASHBOARD TAB 3

Screenshot of dashboard tab 3 goes here



DISCUSSION

OVERALL FINDINGS & IMPLICATIONS

Findings

- JavaScript is and will remain the most popular programming language.
- HTML/CSS is a strong programming language that will continue to be used by programmers.
- Python is an emerging language for the future.

Implications

- PostgreSQL will remain strong for future use.
- MongoDB and Redie are emerging databases that will be used by programmers for the next year.

CONCLUSION

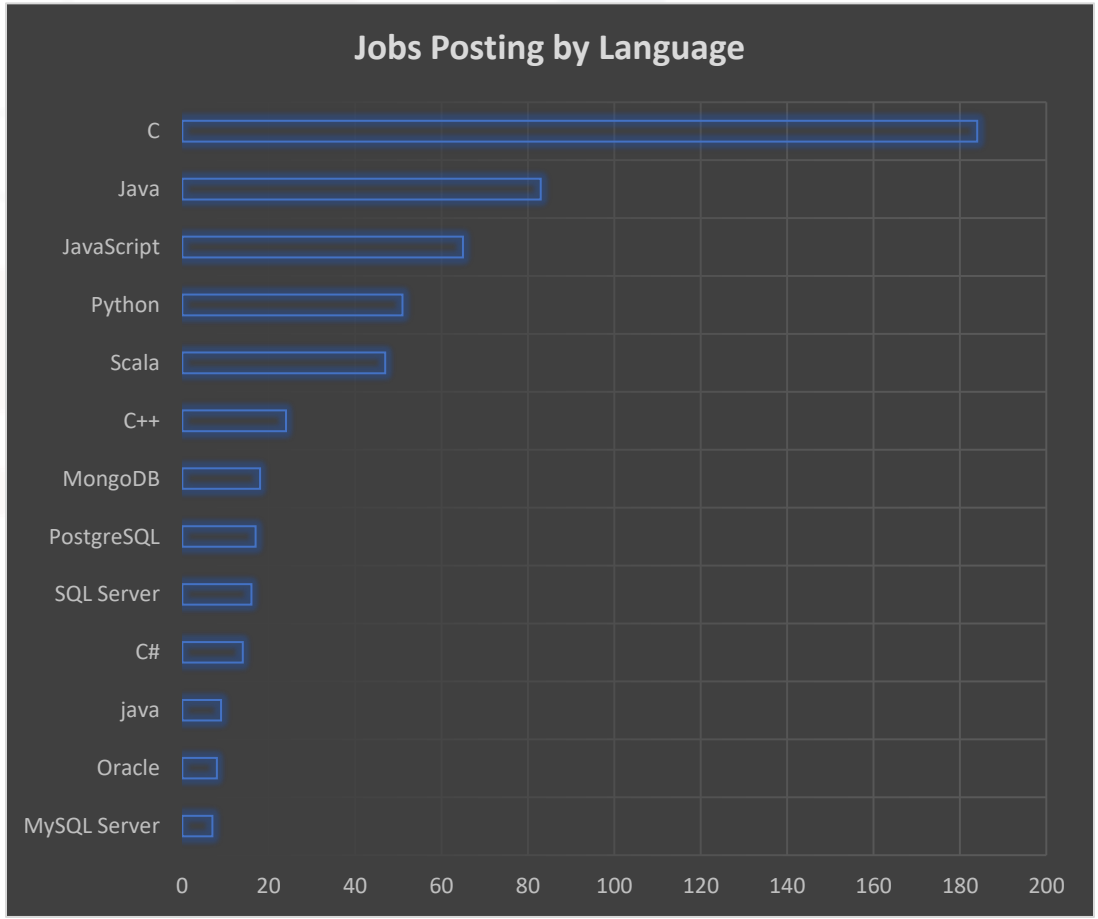
- JavaScript and HTML/CSS are and will remain the most popular programming languages.
- Python is an emerging language for the future.
- PostgreSQL will remain strong for future use.
- MongoDB and Redie are emerging databases that will be used by programmers for the next year.

APPENDIX

- Include any relevant additional charts, or tables that you may have created during the analysis phase.

GITHUB JOB POSTINGS

In Module 1 you have collected the job postings data using GitHub API in a file named “github-job-postings.xlsx”. Present that data using a bar chart here. Order the bar chart in the descending order of number of job postings.



POPULAR LANGUAGES

In Module 1 you have collected the job postings data using web scraping in a file named “popular-languages.csv”. Present that data using a bar chart here. Order the bar chart in the descending order of salary.