

Capstone Report

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OUTLINE



- Executive Summary
- Introduction
- Metholology
- Results
 - Visualization Charts
 - Dashboard
- Discussion
 - Findings & Implications
- Conclusion
- Appendix

EXECUTIVE SUMMARY



Current technology trend dashboard.

Future technology trend dashboard.

• Demographics dashboard.

INTRODUCTION



METHODOLOGY



 I used m5_survey_data_technologies_normalized dataset that has important data about technologies trends.

 Also, I used m5_survey_data_demographics dataset that has demographics data about respondents.

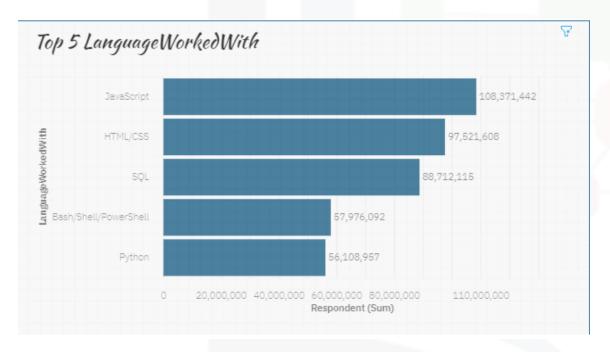
RESULTS

• Most of Bachelor degree respondents are from men.

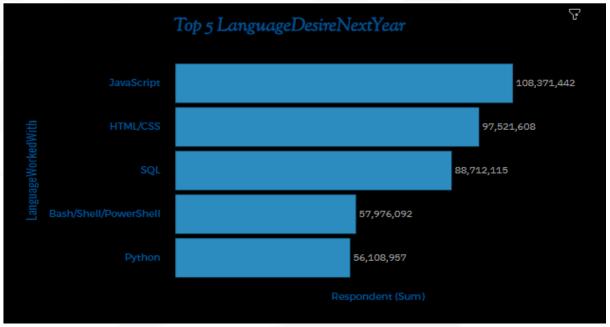
• Most of respondents around 28 years old.

PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

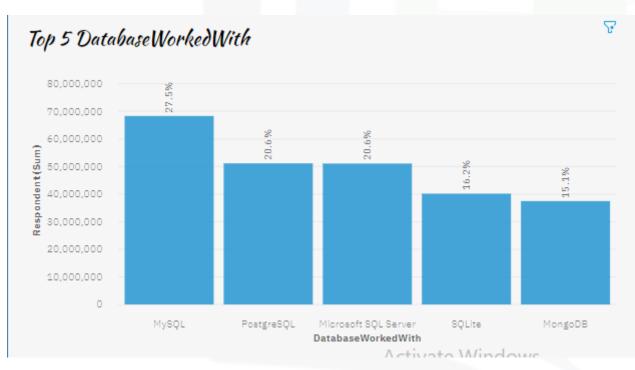
- JavaScript is the most popular language.
- HTML/CSS is 2nd most popular language.
- SQL is 3rd most popular language.

Implications

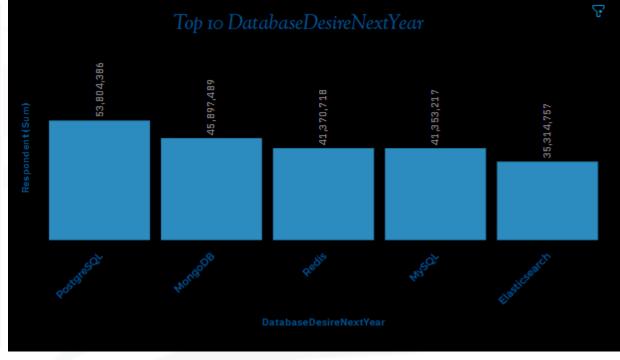
 All 3 positions will have the same number of respondents the next year.

DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

 MySQL has 27.5% from all used databases current year.

 PostgreaSQL is the most desired database in the next year

Implications

 A lot of students leave MySQL database and go to PostgreSQL.

 MySQL will lose a lot of students next year.

DASHBOARD



1- https://eu-gb.dataplatform.cloud.ibm.com/dashboards/fe727237e62c-4695-a052-

3f0ea7f66ccc/view/7238f20b33e86d9f44c9eee4079d7a037963715bbabb 8051808c7b495b647997a93b41c0c82f425cdf445030f7bf1b59ce

2- https://eu-gb.dataplatform.cloud.ibm.com/dashboards/2d1757dc-4863-4252-9883-

8ab87e9b7a84/view/0104a1081eb46cf77ed7b1e4079d7a037963715bba bb8051808c7b495b647997a93b41c0c82f425cdf445030f7bf1b59ce

3- https://eu-gb.dataplatform.cloud.ibm.com/dashboards/4194f97c-f364-4c0c-83a7-

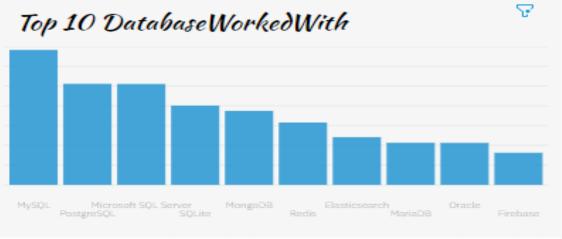
202f1afa6637/view/5465fd786fb02dca68d7c4e4079d7a037963715bbabb 8051808c7b495b647997a93b41c0c82f425cdf445030f7bf1b59ce

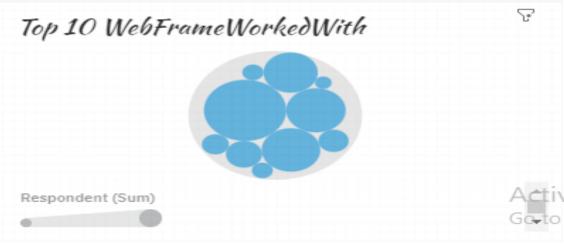
DASHBOARD TAB 1



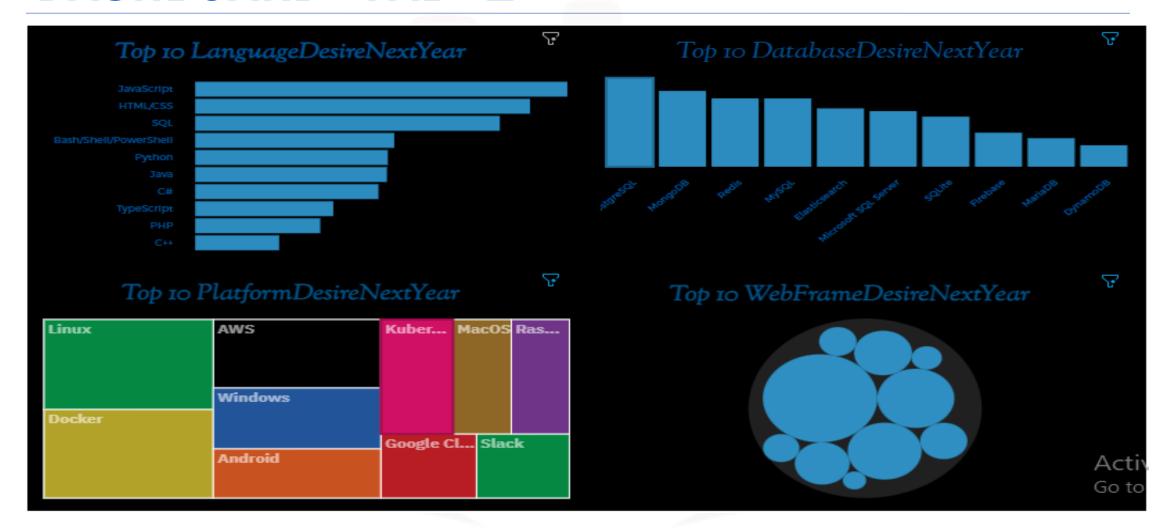
Top 10 PlatformDesireNextYear



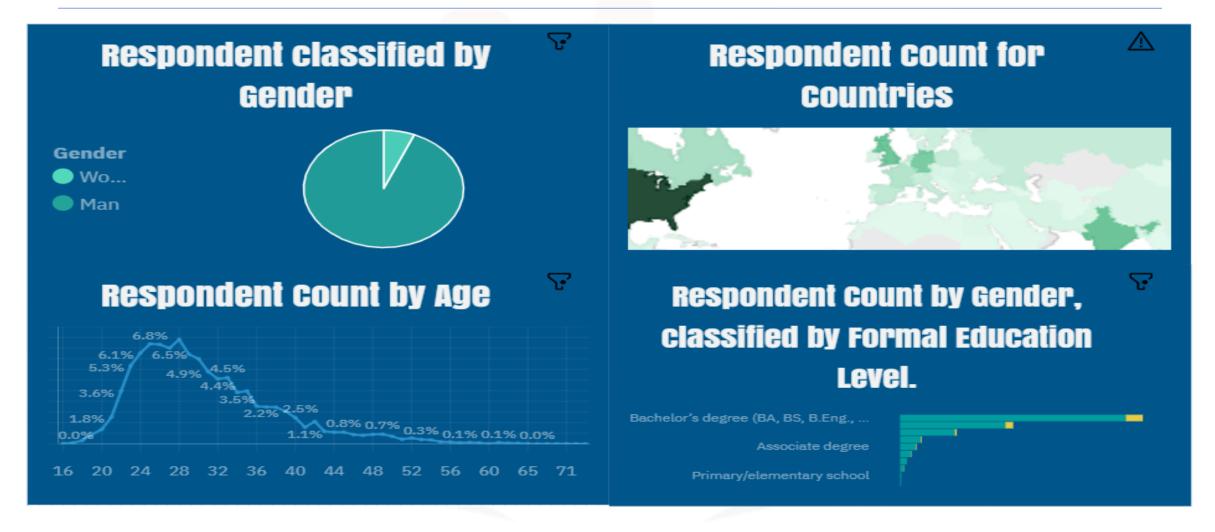




DASHBOARD TAB 2



DASHBOARD TAB 3



DISCUSSION



 As we mention in the results section I would like to add that more that 90% of respondents are from men.

OVERALL FINDINGS & IMPLICATIONS

Findings

 React.js is the most web desired framework next year.

 Docker and Linux is the most platform desired next year.

Implications

 JQuery had lose a lot of respondents.

 Windows had lose a lot of respondents.

CONCLUSION



- Programming languages.
- Databases .
- Web framework.

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.