

CAPSTONE PROJECT PRESENTATION 2022

FINDINGS AND IMPLICATIONS

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OUTLINE



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- Introduction
- Metholology
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 - Visualization Charts
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- Discussion
 - Findings & Implications
- Conclusion
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EXECUTIVE SUMMARY



- Current technology Usage
- Top 10 Languages
- Top 10 Databases
- Platforms
- Top 10 Web Frames
- Future Technology Trends
- Top 10 Languages desired for the next year
- Top 10 Databases desired for the next year
- Desired platforms for the next years
- Top 10 Web frames desired for the next year
- Demographics
- Respondent classified by gender
- Respondent count for countries
- Respondent count by age
- Respondent count by gender and classified by education WORK



INTRODUCTION



- The top programming languages in demand
- The top databases skills in demand
- The popular IDEs
- Correlation between numerical data
- Scraping internet web sites and accessing APIs to collect data

METHODOLOGY

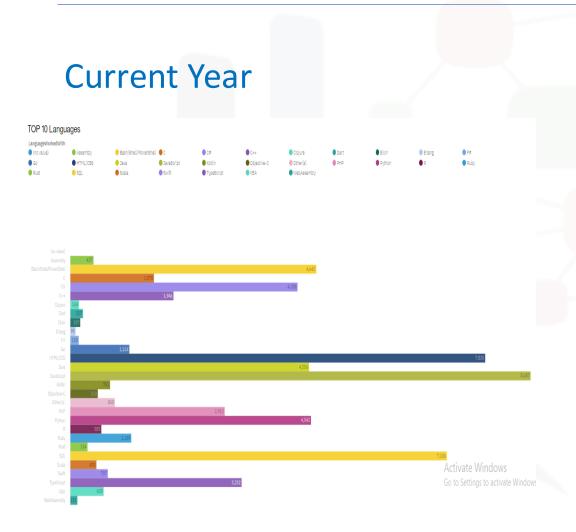


- Collecting Data Using APIs
 - The Git hubs jobs API allows us to search, and view jobs JSON over HTTP
 - Git hubs jobs API allows anyone to query for the jobs based upon:
 - Technology like Python, MySQL
 - City like New York, Bangalore
- Collecting Data Using Web scaping

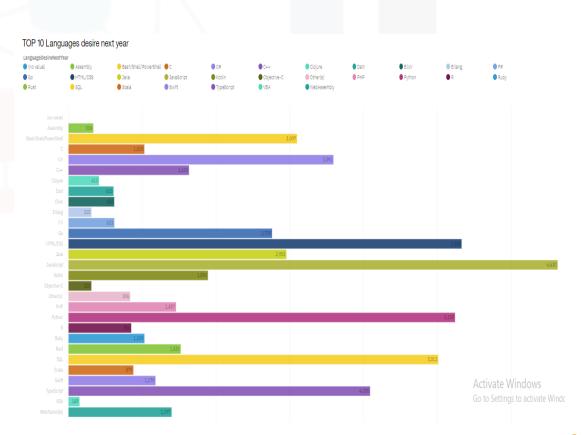
RESULTS



PROGRAMMING LANGUAGE TRENDS



Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

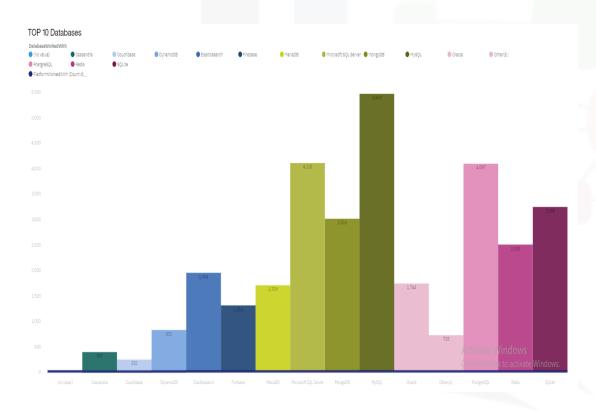
- Java script is the most popular language to use in current and also in future.
- HTML/CSS is the second most popular language to use in current and also in future.
- Python has the rising trend.

Implications

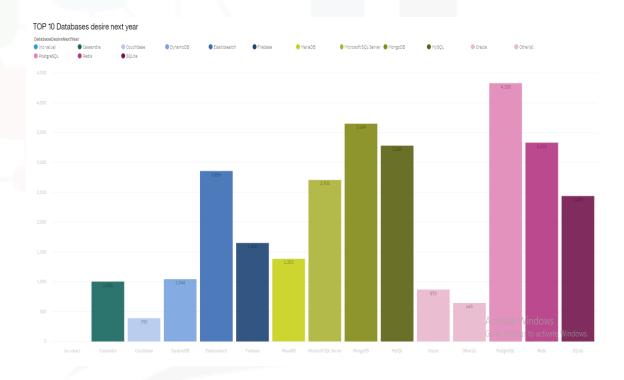
- Java script and HTML/CSS both have demand in current and future trend.
- Python is the new thread for near future and need to be focused on that.
- Java, C#, C++ have lost their momentum, people are looking for other languages apart from them.

DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

- RDBMS has the dominant trend in current usage.
- Non-RDBMS have the dominant trend in future.

Implications

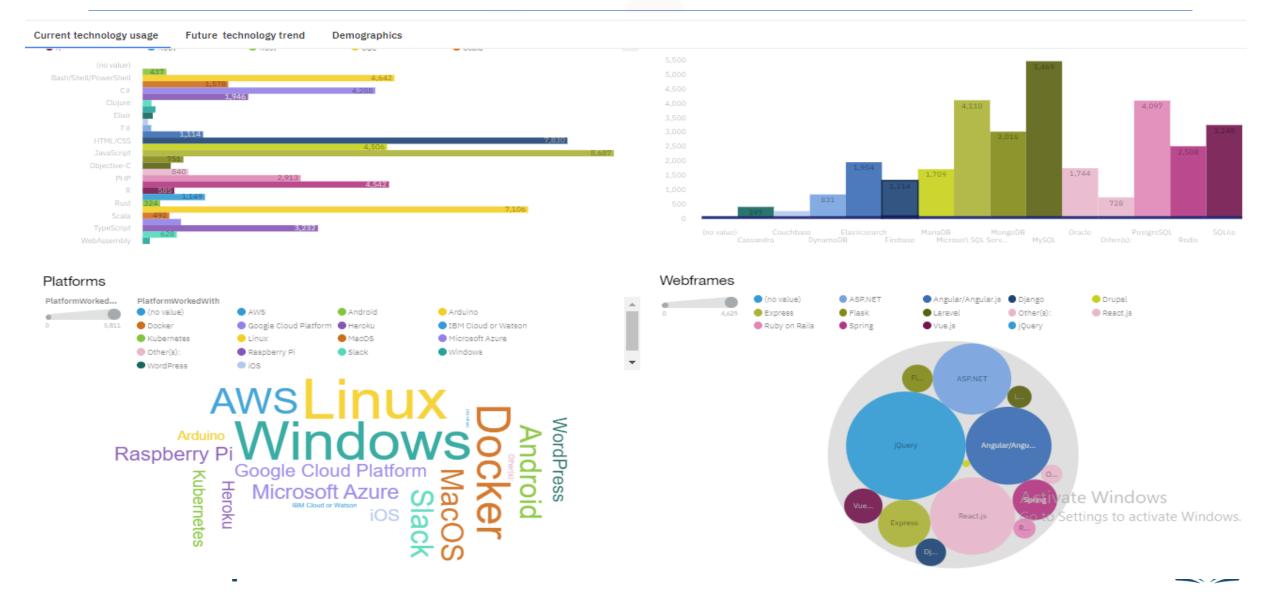
- People are highly interested to learn non-relational databases.
- It is clear that big data will become very popular in upcoming year.

DASHBOARD

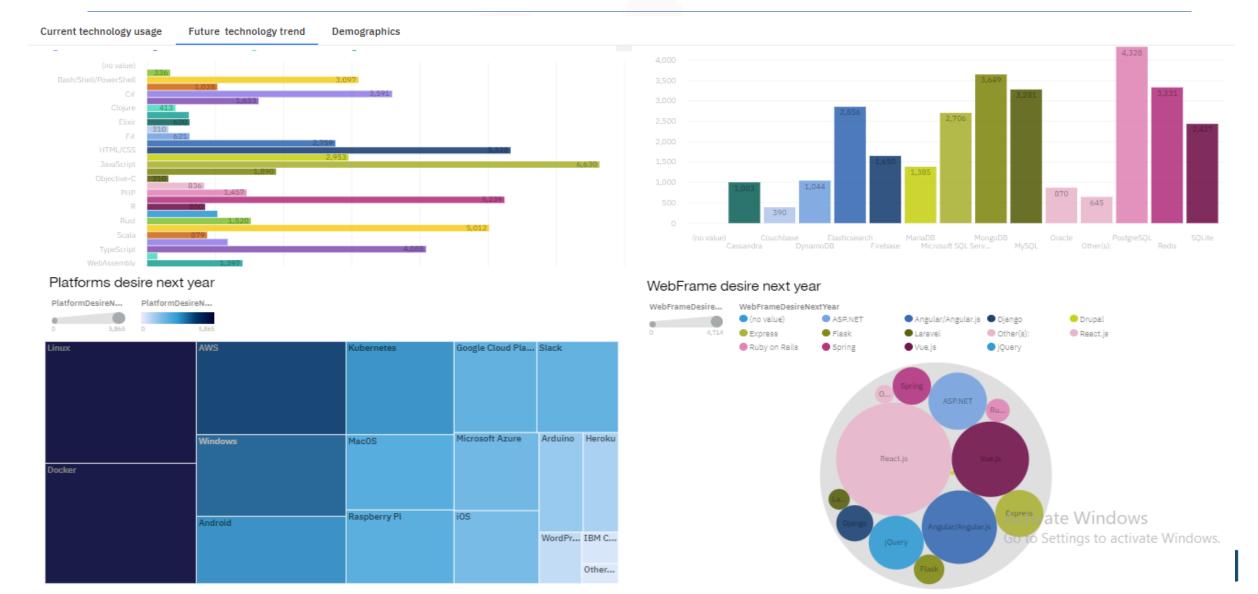




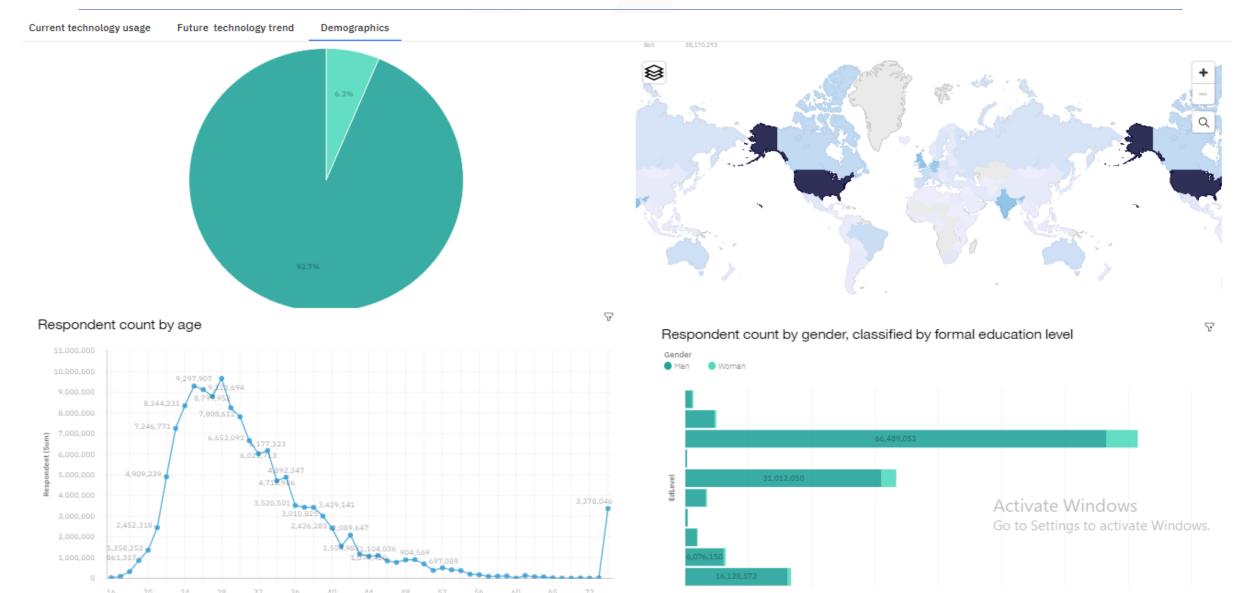
DASHBOARD TAB 1



DASHBOARD TAB 2



DASHBOARD TAB 3



DISCUSSION



 It is clear from previous study that the upcoming future is for big data so the knowledge on big data along with advanced programming languages will make the difference.

OVERALL FINDINGS & IMPLICATIONS

Findings

- The upcoming programming trend is for advanced programming language.
- The upcoming trend for databases is non-relational databases.

Implications

- People are looking for advanced programming languages along with easy learning.
- People are looking for big data cause data is everywhere.

CONCLUSION



- The top programming language in demand.
- The top databases skills in demand.
- The popular IDEs
- Scaping internet web sites and accessing APIs to collect data.

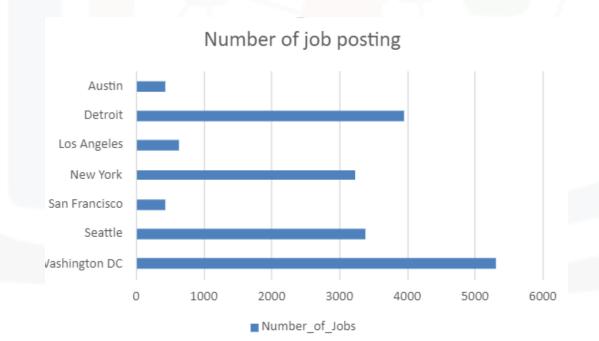
APPENDIX



 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.

