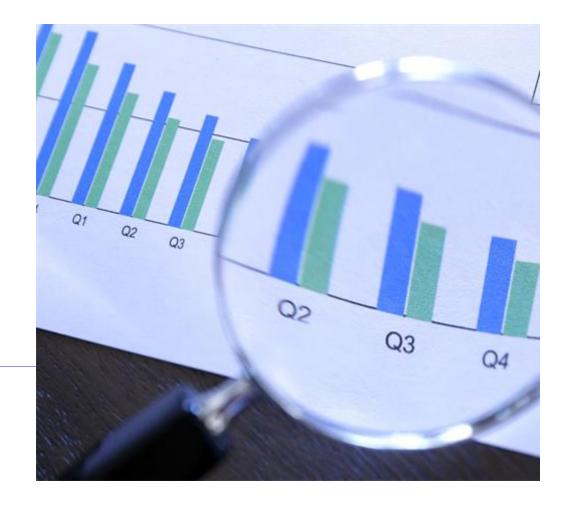
Data Analysis for indentifying Future Skill Requirements

Part 1



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OUTLINE



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

EXECUTIVE SUMMARY



- Collecting data's using API's and Web Scraping
- Data Wrangling Techniques
 - Finding and removing duplicates
 - Identify Missing values
 - Data Normalizing
- Data analysis
- Data Visualization Using plots
- Dashboard



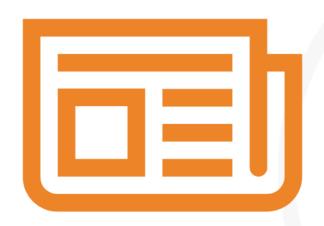
INTRODUCTION



- Task is to collect the top programming skills that are most in demand
- Once we have collected enough data, we will begin analyzing the data and identify insights and trends
- First we will begin by scraping internet web sites and accessing APIs to collect data in various formats like .csv files, excel sheets, and databases.
- Later we will make that data ready for analysis using data wrangling techniques
- When the data is ready we will then want to apply statistical techniques to analyze the data.
- Finally we will be creating Dashboards with the collected information.

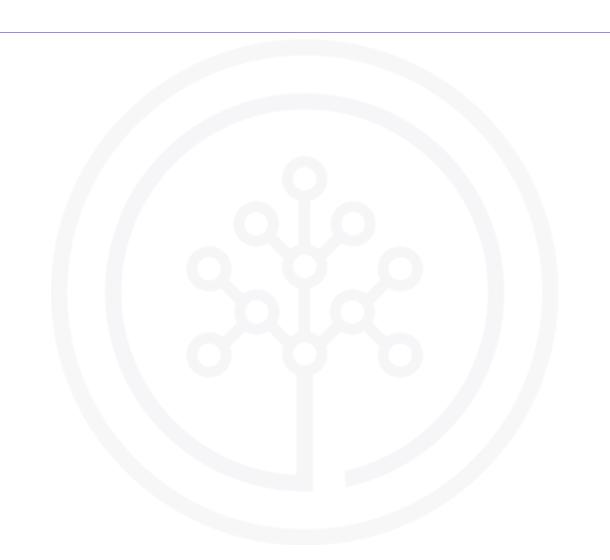


METHODOLOGY



- Point1
- Point2
- Point3
- Point4
 - Sub Point1
 - Sub Point2

RESULTS

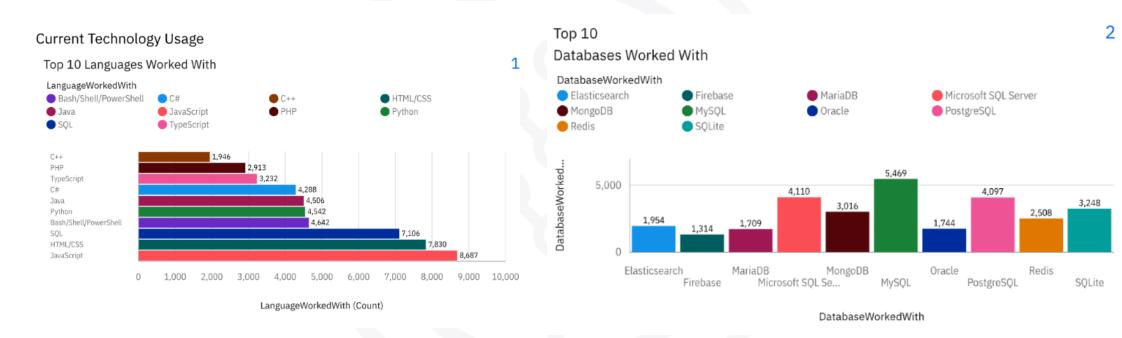




PROGRAMMING LANGUAGE TRENDS

Current Year

Next Year





PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

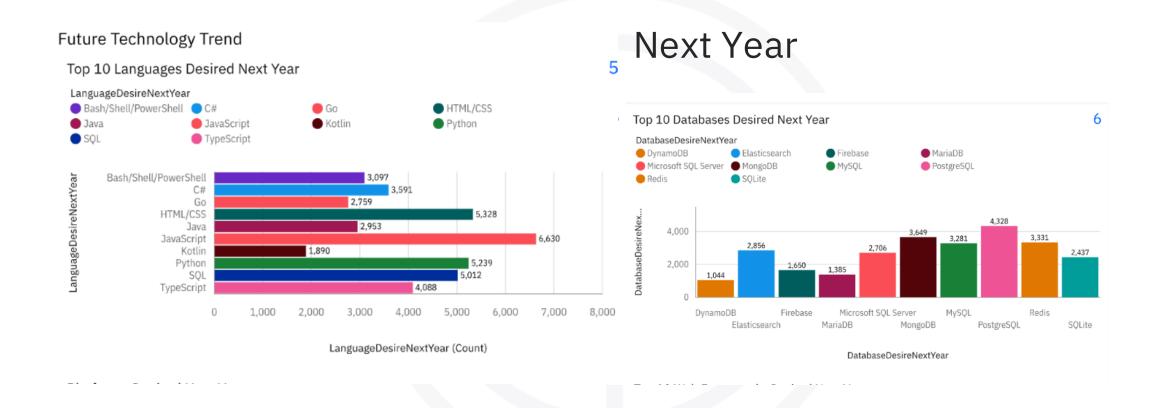
- Java script
- HTML/CSS
- SQL

Implications

- MYSQL
- Microsoft SQL Server
- PostgreSQL



DATABASE TRENDS







DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- JavaScript
- Python
- HTML/CSS

Implications

- PostgreSQL
- MongoDB
- Redis





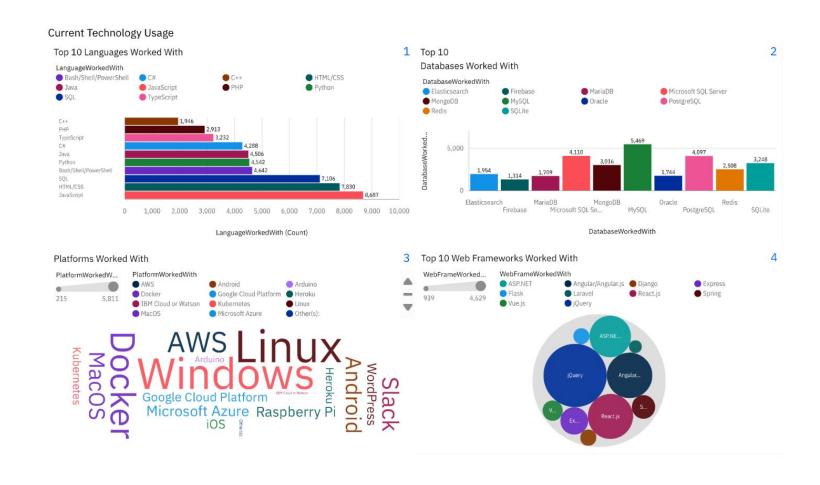
DASHBOARD



< Github Link to Dashboard>

https://github.com/megnu/ibm-capstone.pdf

DASHBOARD TAB 1







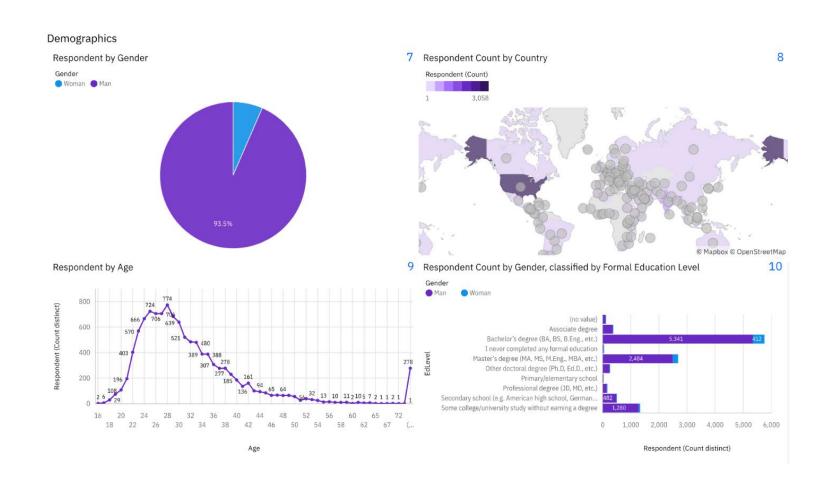
DASHBOARD TAB 2







DASHBOARD TAB 3







OVERALL FINDINGS & IMPLICATIONS

Findings

- Finding 1
- Finding 2
- Finding 3

Implications

- Implication 1
- Implication 2
- Implication 3

CONCLUSION



- Point 1
- Point 2
- Point 3
- Point 4

APPENDIX



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

JOB POSTINGS

In Module 1 you have collected the job posting data using Job API in a file named "job-postings.xlsx". Present that data using a bar chart here. Order the bar chart in the descending order of the 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.

