

Report on
Programming Survey
Olawale Sheyii
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OUTLINE



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EXECUTIVE SUMMARY



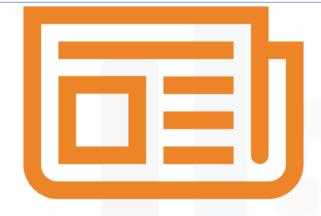
- Comparing present and future trends in IT
- Classification by demographics such as:
 - Age
 - Gender
 - Education Level
- Identifying most used Languages, Databases and Webframes

INTRODUCTION



- Datasets on Data Technologies and Demographics were collected, cleaned and analyzed
- The purpose is to conclude on how Data Technology platforms are being utilized
- Findings are based on demographics believed to have influenced the use of these technologies

METHODOLOGY

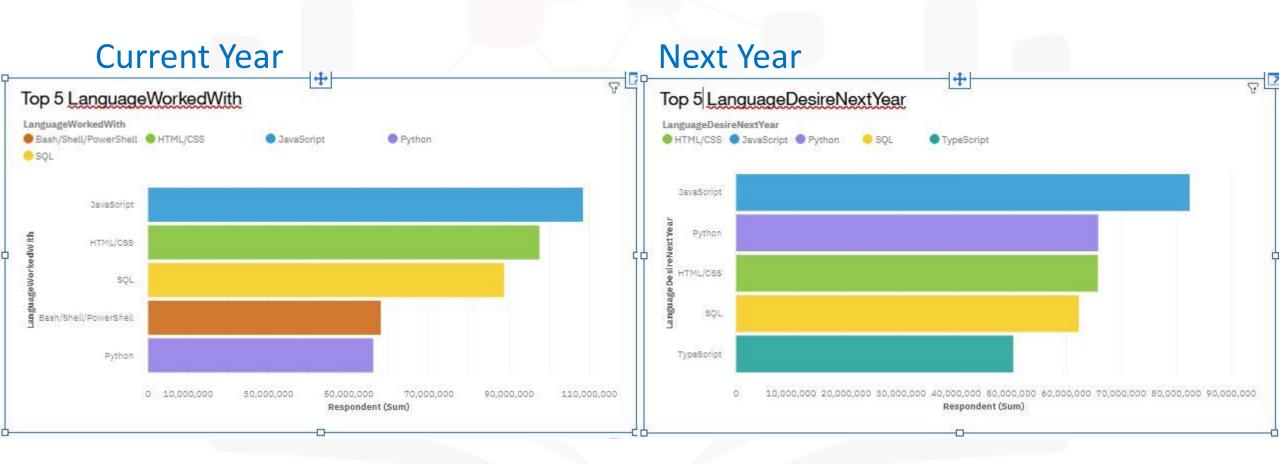


- Top programming skills that are most in demand from various sources including:
 - Job postings
 - Training portals
 - Surveys
- The data source is given here link
- The data utilized were gathered using APIs and Webscraping

RESULTS



PROGRAMMING LANGUAGE TRENDS



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- JavaScript reaming the top programming language
- Python goes from 5th position to 2nd position

Implications

- There will be more people with JaveScript proficiency
- There is more demand for individuals with proficiency in Python language

DATABASE TRENDS



DATABASE TRENDS - FINDINGS & IMPLICATIONS

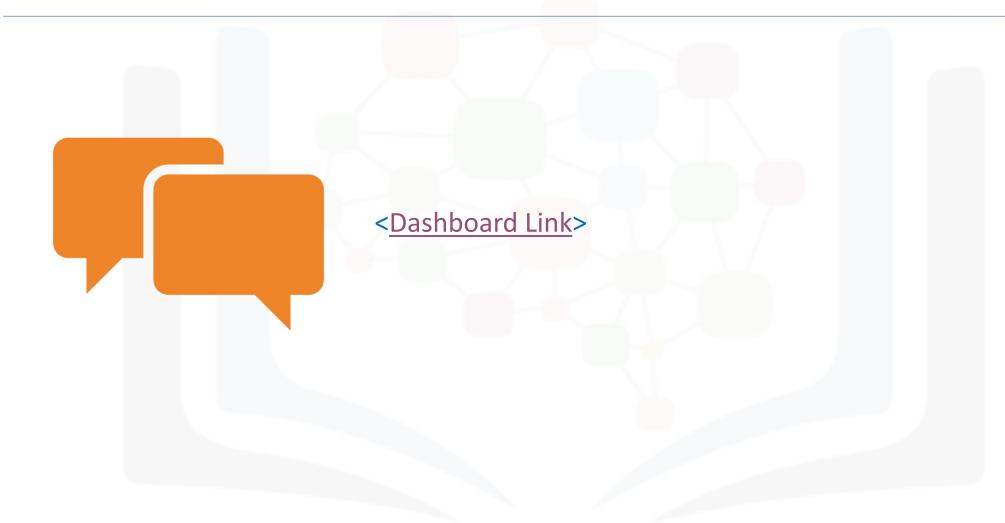
Findings

- MySQL is top trending database for the current year but drop in future
- PostgreSQL and MongoDB are emerging database technologies

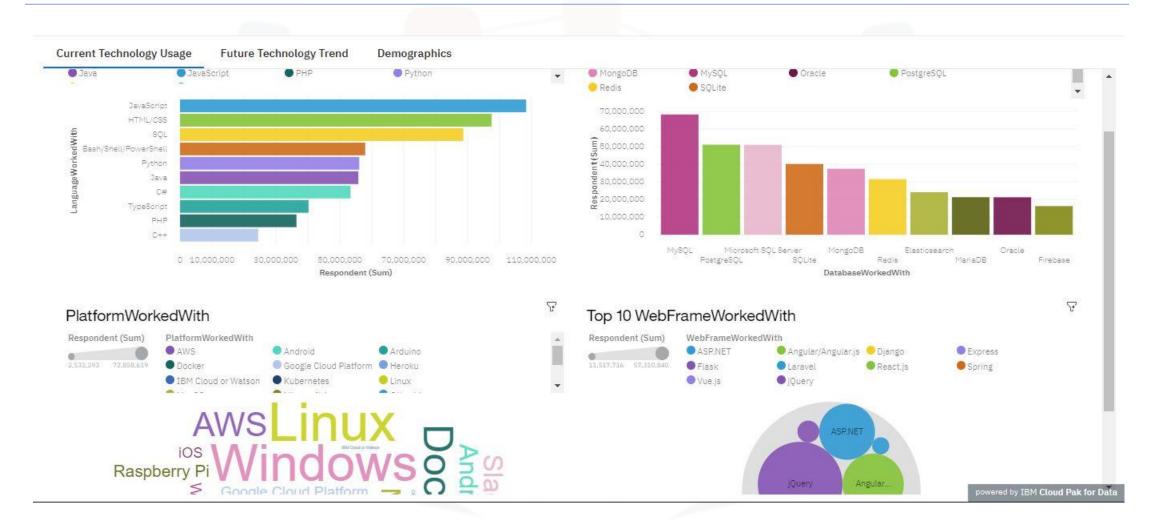
Implications

- Data Analysts primarily will not be required to have a compulsory knowledge of MySQL
- In the future there will be more people learning PostgreSQL and MongoDB

DASHBOARD



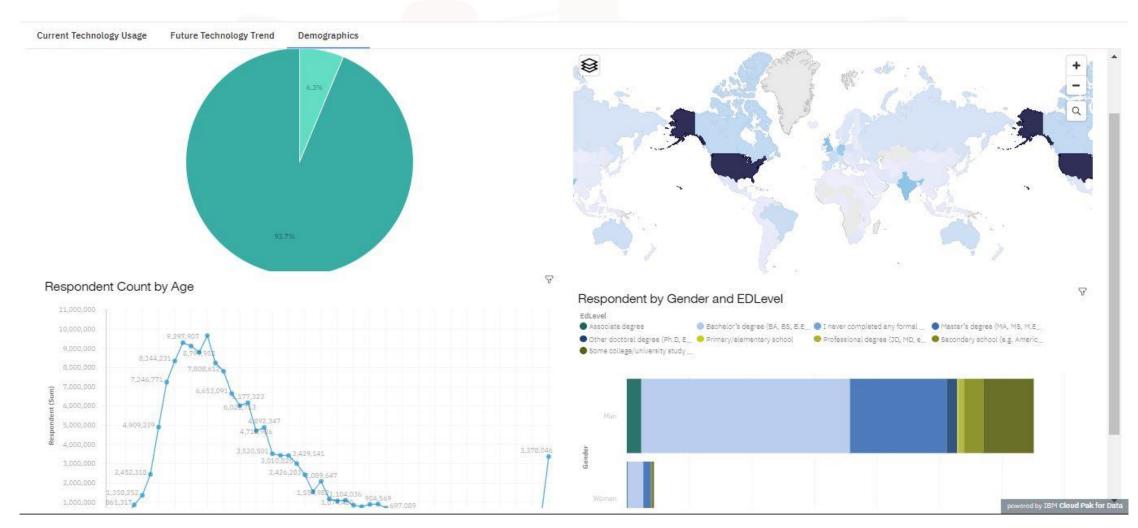
DASHBOARD TAB 1







DASHBOARD TAB 3



DISCUSSION



OVERALL FINDINGS & IMPLICATIONS

Findings

- The Male gender is the most domination in Data Technologies
- A large percentage of BSc holders are more interested in **Data Technologies**

Implications

- More of the IT roles will be filled by Male
- This will help improve their employability

CONCLUSION



- Python Language is a trend to look out for
- PostgreSQL and MongoDB are emerging database technologies
- A large percentage of BSc holders are increasing employability by interests shown in Data Technologies

APPENDIX

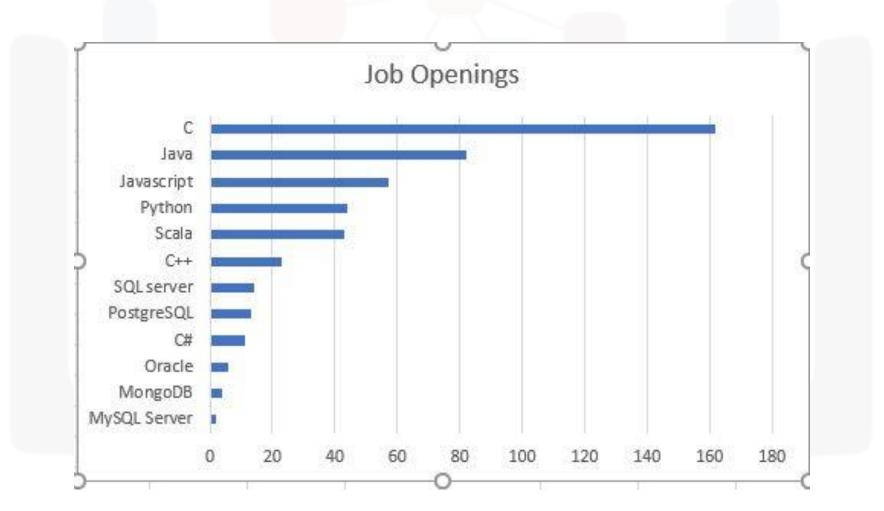


sers'\Documents\data.csv')	4 - +	<pre>my_file = pd.read_csv(r'C:\Users'\. my_file.head()</pre>
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Out[6]:

Very interested	Somewhat interested	Not interested
1332	729	127
1688	444	60
429	1081	610
1340	734	102
1263	770	136
	1332 1688 429 1340	1688 444 429 1081 1340 734

GITHUB JOB POSTINGS



POPULAR LANGUAGES

