

STACK OVERFLOW SURVEY

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OUTLINE



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EXECUTIVE SUMMARY



- Skill required in the IT field keeps on changing and evolving
- Different people try to learn other technologies or skills according to the market demand
- It is very important to have knowledge of the market trends so that the one can prepare themselves
- The purpose of this presentation is to have a brief overview of the current and future trends for different tech stacks

INTRODUCTION



• This Presentation will help all the stakeholders of IT, so that they can make decisions accordingly

• All stakeholders analyze the current trends and make decision according to the future trends

METHODOLOGY

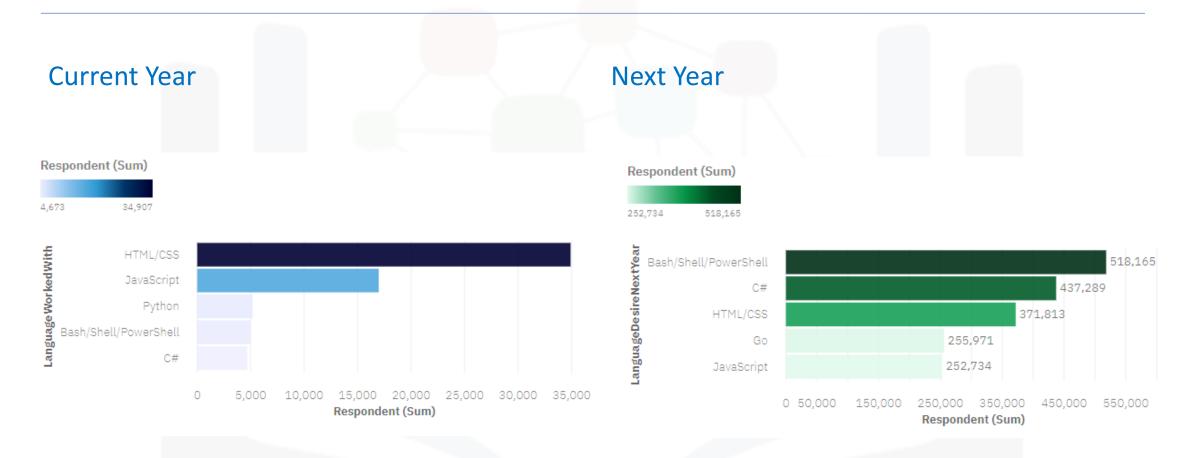


- Collected the Data using API and Exploring the Data
- The data was wrangled/cleaned (removed duplicate, imputed) missing values & normalized the data)
- The data then Analyzed (Exploratory Data Analysis) to find the distribution of data, presence of outliers and determine the correlation between different columns in the dataset
- Data is then visualize using different charts and graphs
- Then two modified subset of Stack Overflow Dataset are downloaded and three dashboard are created on Cognos **Dashboard Embeded**

RESULTS



PROGRAMMING LANGUAGE TRENDS



PROGRAMMING LANGUAGE TRENDS - FINDINGS & **IMPLICATIONS**

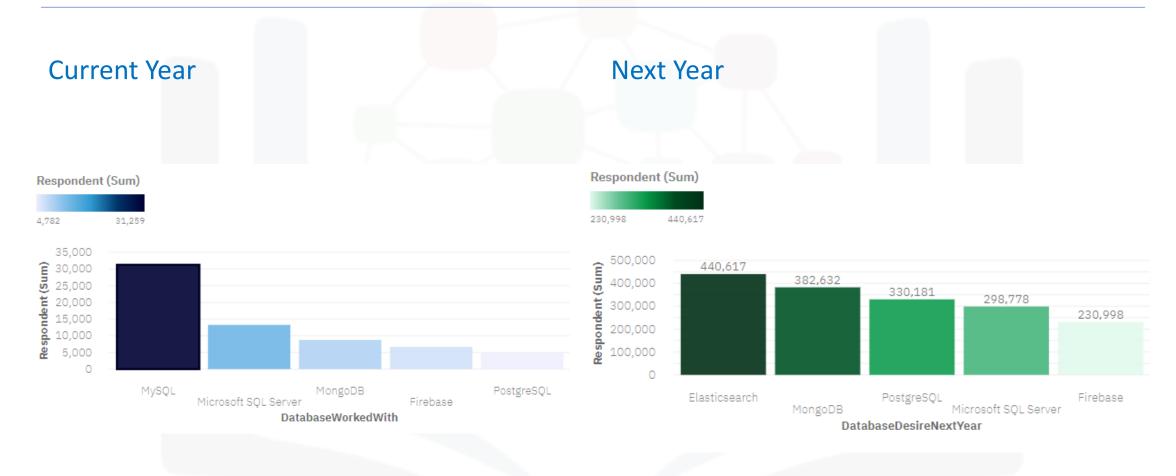
Findings

- HTML/CSS/JAVASCRIPT has decreased
- Bash/Shell/PowerShell become top for next year
- C# gained more interest for next year

Implications

- Employ more people skilled in C# & Bash
- Employ moderate people skilled in HTLM/CSS
- Employ less people skilled in Python and JavaScript

DATABASE TRENDS



DATABASE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

- MySQL failed to get position in top 5 for the next year and Elastic search hot first position
- MySQL server loses interest and MongoDB & PostgreSQL gained interest for the next year
- Firebase almost loses some interest for the next year

Implications

- Stop Employing people with MySQL skill instead start employing Elasticsearch skilled people
- Employ people skilled in MongoDB and PostrgeSQL

DASHBOARD

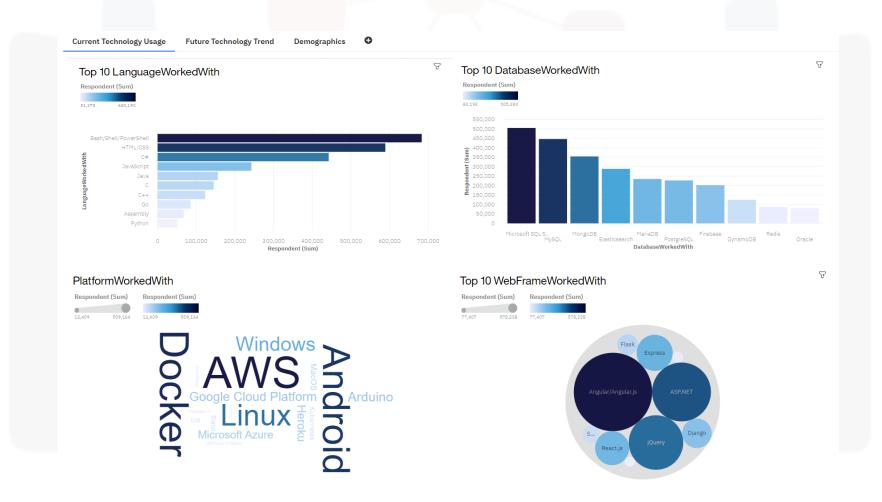


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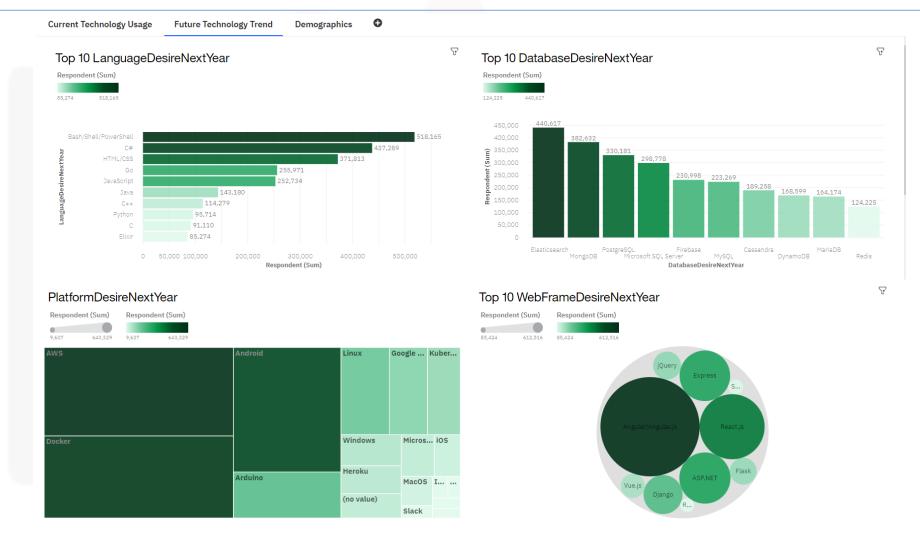
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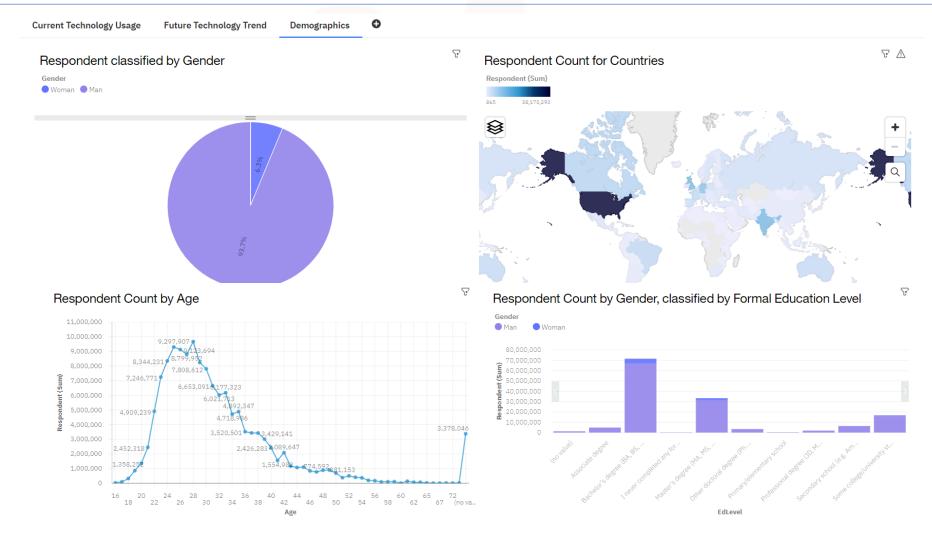
DASHBOARD TAB 1



DASHBOARD TAB 2



DASHBOARD TAB 3



DISCUSSION



 Employ People Skilled according to Future Trends

 Employees should learn the new tech stacks keeping in view the future trends so that they don't have to lose job in Future

OVERALL FINDINGS & IMPLICATIONS

Findings

- In Programming C# and Python gaining strength
- In Database Elastic Search and Mongo DB is gaining strength
- In Platforms AWS and Docker remain unchanged
- In Web frames Angular.js remains unchanged whereas React.js is gaining strength

Implications

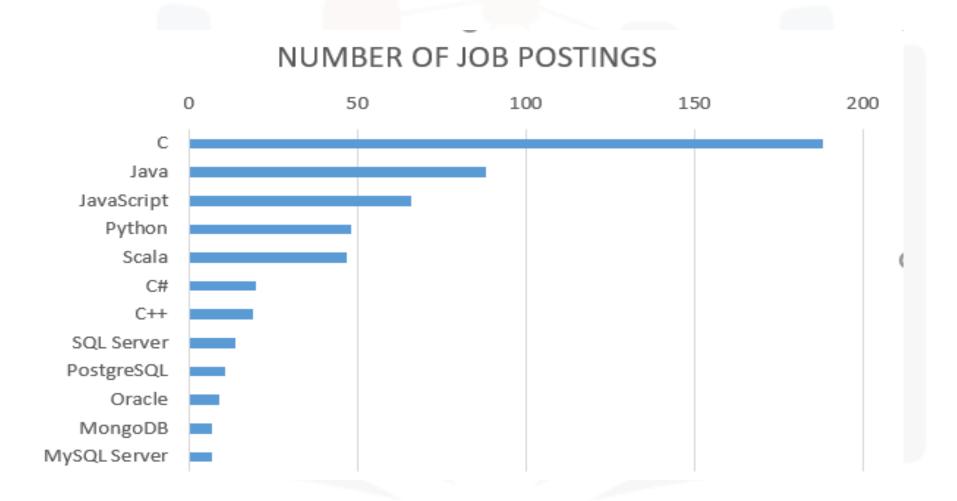
- Employers should hire people skilled according to the future trends
- Employees and Beginners should try to learn new technologies

CONCLUSION



- Employers should make adjustments in staff for those skills no longer in demand
- Making Adjustment means Companies should make arrangements for their existing employees to learn and adapt new tech stacks before hiring new employees

JOB POSTINGS



POPULAR LANGUAGES

