Capstone Project

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OUTLINE



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- Discussion
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- Conclusion
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EXECUTIVE SUMMARY



- The top programming language currently in use is Microsoft sql server and The Programing language trends for the coming year is. HTML/CSS,JavaScript;Typescript
- The top Database currently in use is Maria DB: mysql server and The Database trends for the coming year is MySQL;PostgreSQL.
- The top Platform currently in use is AWS; Microsoft Azure by record count of 762 and The Platform trends for the coming year is counties to be AWS; Microsoft Azure
- The top webframe currently in use is React, Node.Js, Express.js, Next.js and Ruby on Rails and The webframe trends for the coming year is Ruby on Rails.

INTRODUCTION



- The project aims to analyze current and future technology trends, including programming languages, databases, platforms, and web framewroks, based on industry surveys.
- The Target audience is the tech industry.
- The value is to provide insights on the current trends of tools that are being used and those that are becoming popular in the coming year.

METHODOLOGY



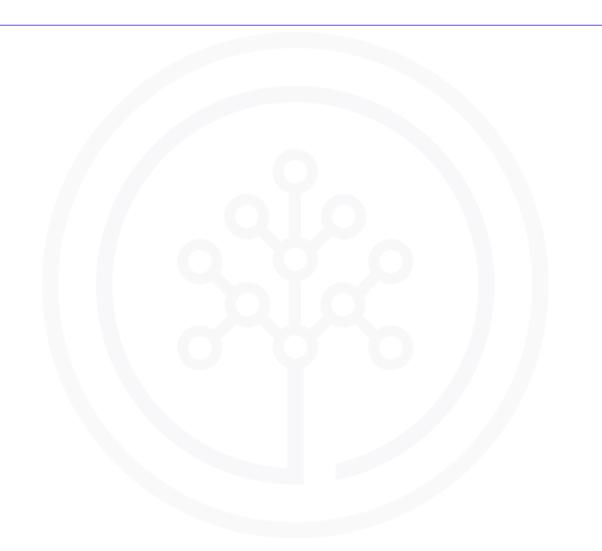
I used the data source is Survey_data_updated

• I cleaned data to handle missing values and categorized age and education level

• I didn't do the data collection ad the data was given to me



RESULTS

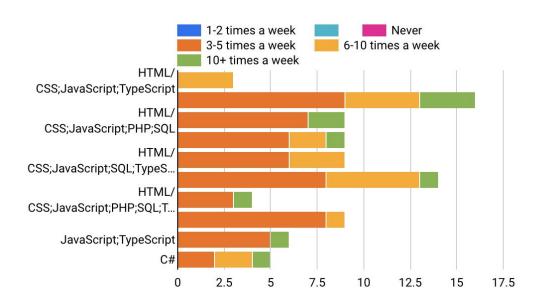




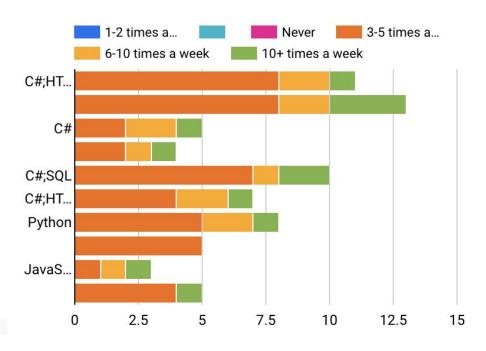


PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year





PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

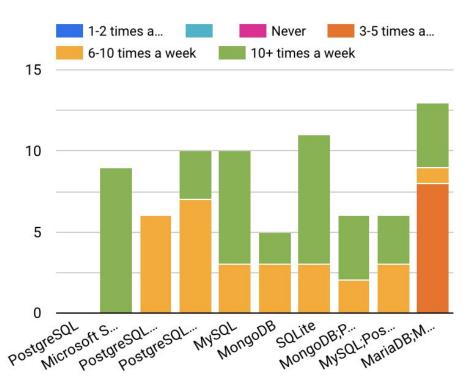
- Comparing the current trend and the future trend we can see not that much changes, We do see that knowing more than one language is more popular than just one
- C# is popularity hasn't changes

Implications

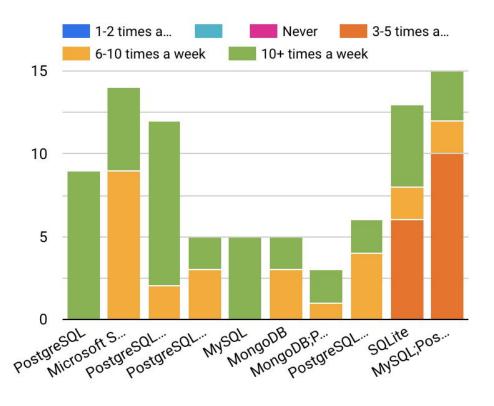
- It looks like companies need employees with the skill set of more than one lanuage
- They job Market for positions that need C# are plateau

DATABASE TRENDS

Current Year



Next Year







DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- We can see an increase in popularity in Microsoft server in the future
- We can see Maria DB SQL server went down in popularity
- While MySQL; Postgre SQL became more popular

Implications

- Invest in Microsoft Server
- Reevaluate MariaDB usage.
- Shift to MySQL, PostgreSQL



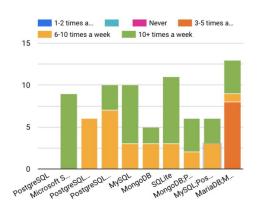


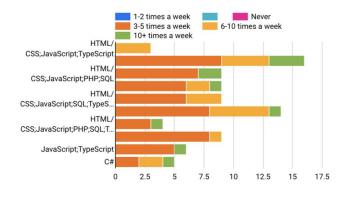
DASHBOARD

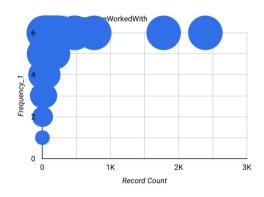


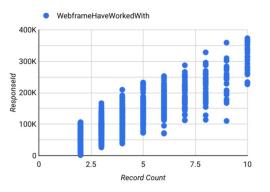
https://github.com/sailormnoo/IBM-Data-Analytics

DASHBOARD TAB 1





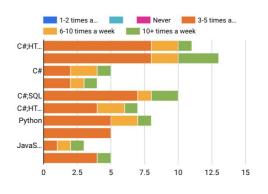


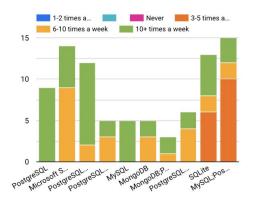


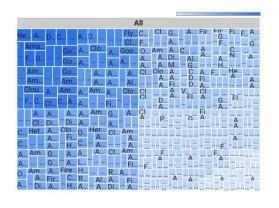


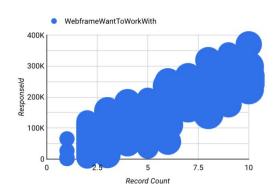


DASHBOARD TAB 2





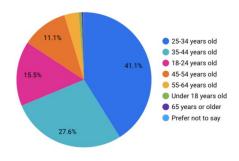


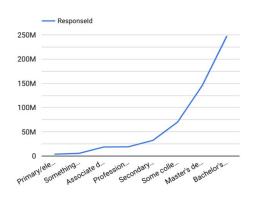


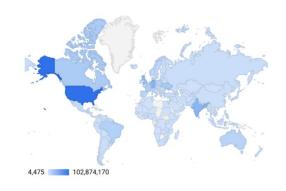


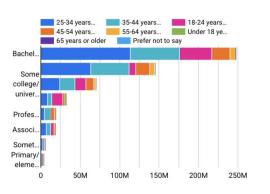


DASHBOARD TAB 3













DISCUSSION



How will Ai effect the the job market and what tools associated with Ai will become more popular?

OVERALL FINDINGS & IMPLICATIONS

Findings

- Microsoft Server's popularity is rising.
- Knowing more than one languages is more valuable than the popularity of just one

Implications

- Higher demand for Microsoft
 Server's skill sets
- Companies want candidates that can can translate their programing knowledge to more than one language

CONCLUSION

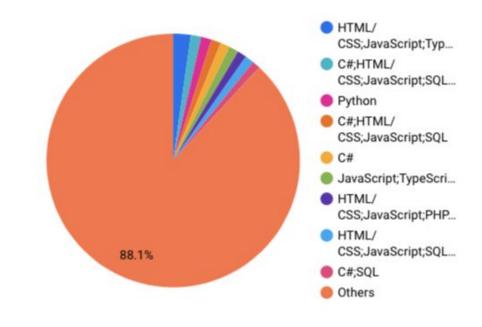


- Companies want candidates that can can translate their programing knowledge to more than one language
- Database popularity fluctuates
- Microsoft Server's popularity is rising

APPENDIX

Language Admired by Age group

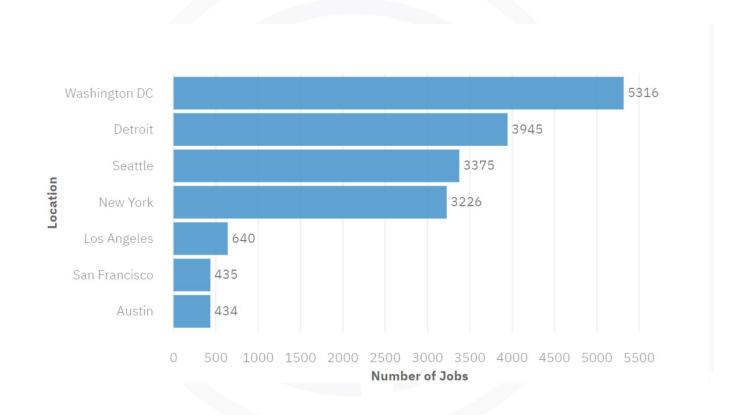








JOB POSTINGS







POPULAR LANGUAGES

