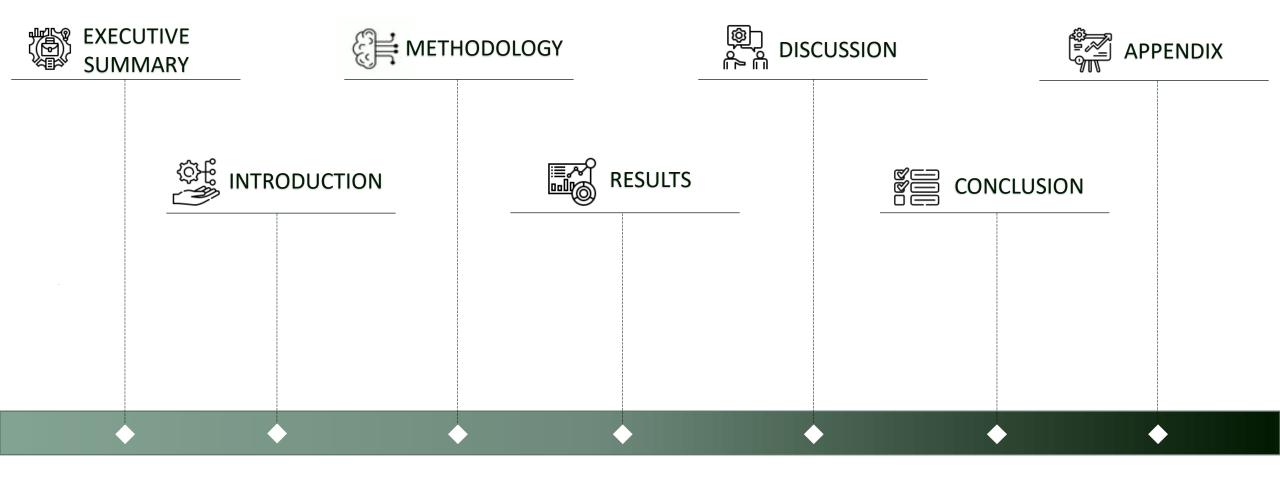
DEVELOPER JOB MARKET

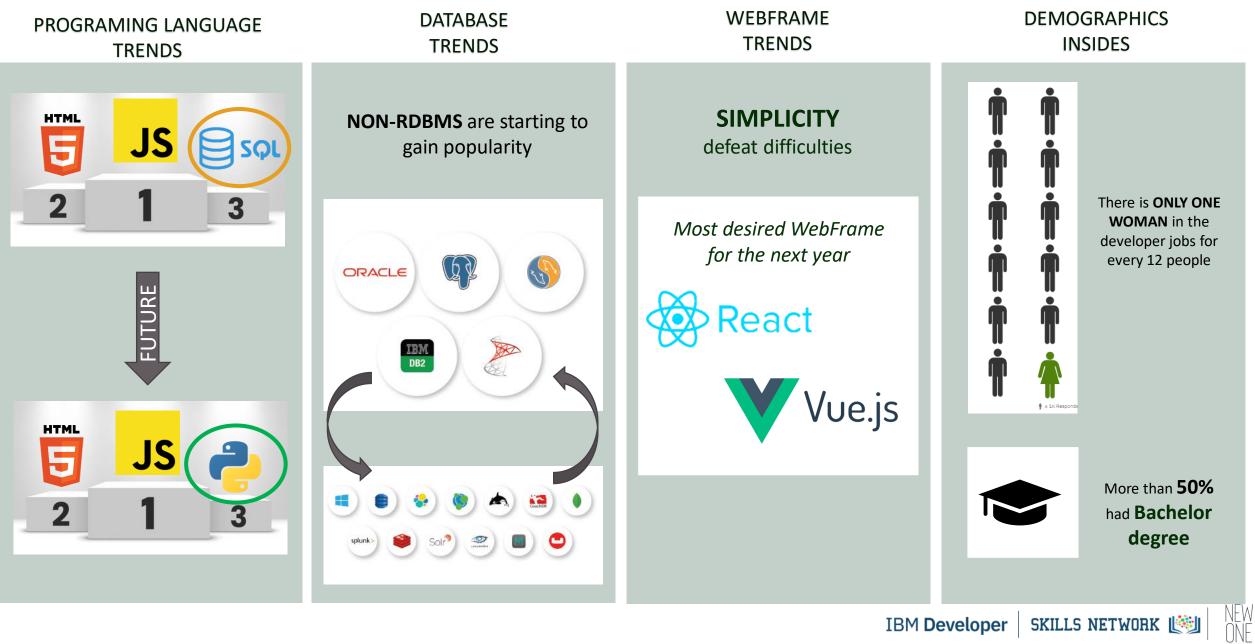
Stack Overflow Developer Survey 2019 – Capstone Project

Klaudia Chudzynska 02/07/2022

OUTLINE



EXECUTIVE SUMMARY



INTRODUCTION

PURPOSE

Analysis current and desired technologies in developer job market for identify future skill requirements.

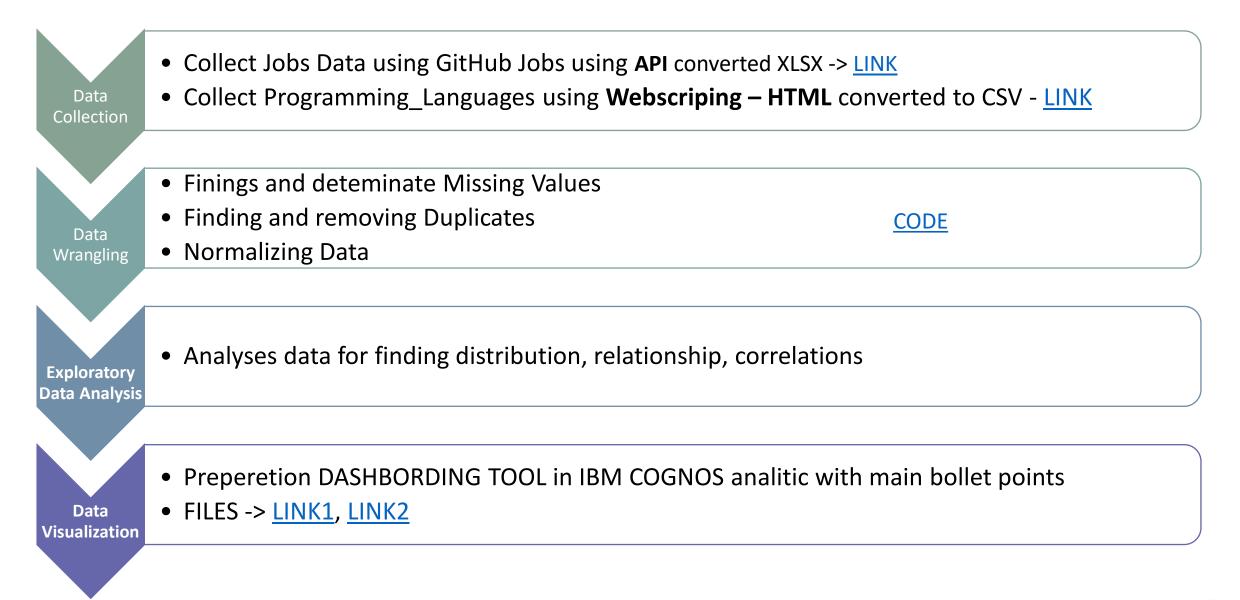
Analysis for **GLOBAL IT AND BUSINESS** CONSULTING FIRM "STACK OVERFLOW"

QUESTIONS

How will changing the technologies and what future skills requirements will be?

- ✓ What are the top programming languages in demand?
- ✓ What are **the top database skills** in demand?
- ✓ What are the popular WebFramess?
- ✓ How works as Developer? For whom is it recommended?

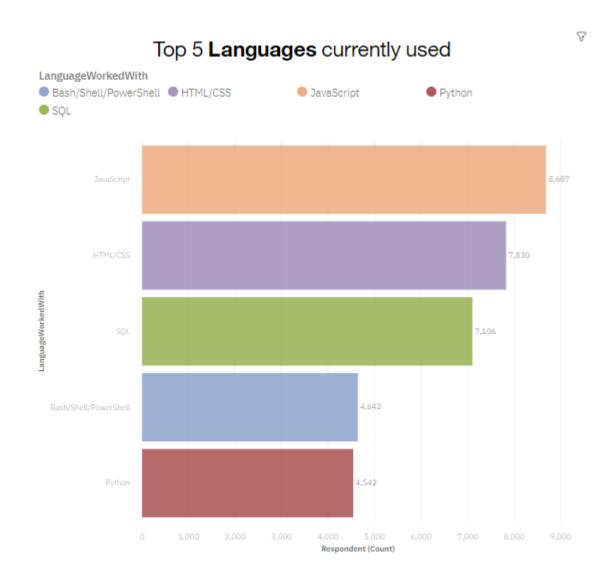
METHODOLOGY

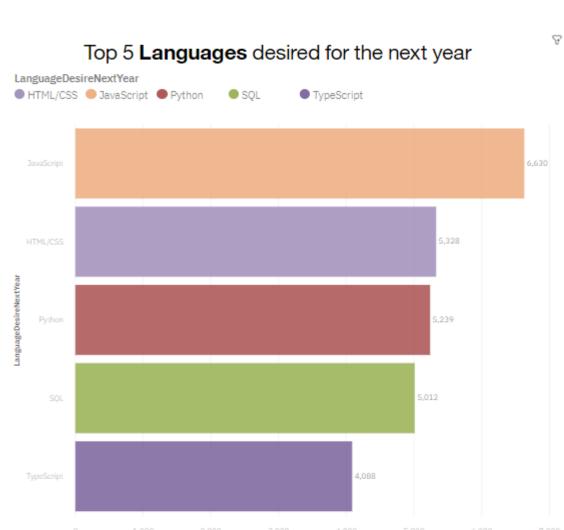


RESULTS

IBM Developer SKILLS NETWORK

PROGRAMING LANGUAGE TRENDS





Respondent (Count)

NEW ONE

FINDINGS & IMPLICATIONS

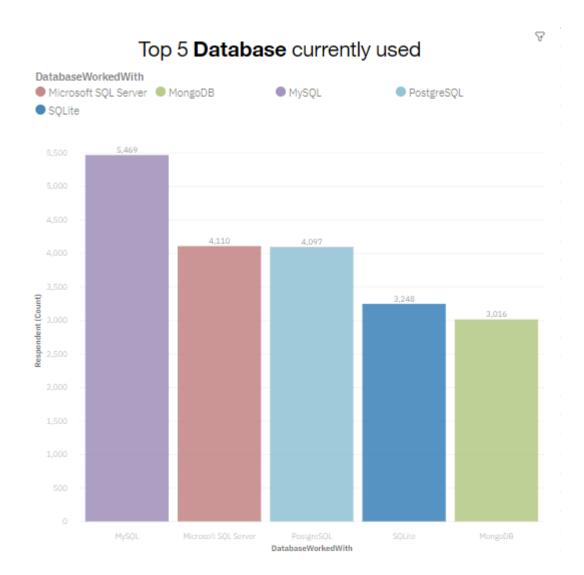
FINDINGS

- The 1st place remains unchanged in both measured periods: current and future: JAVAScript
- The 2nd place remains unchanged in both measured periods: current and future: HTML
- Python has the rising trend

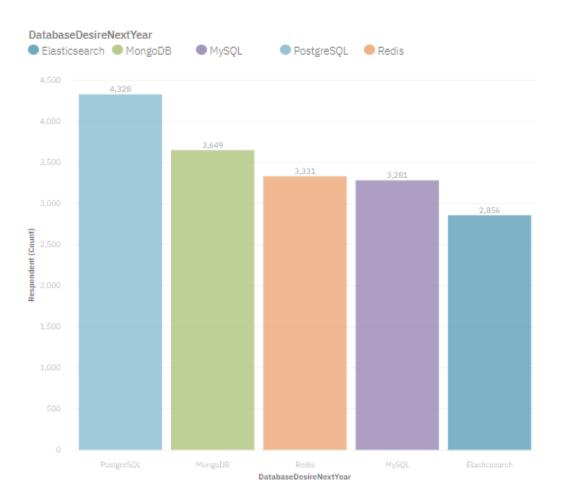
IMPLICATIONS

- JAVAScript and HTML positions remain the same, but we can see that they are losing interest among developers in favor of easier languages
- Python is the fastest-growing major programming language and stands as the 3rd most desire language in the future
- The coming future will belong to the data world, and we can assume that developers will continue to use their most important language, but we can see that they are open to the future and follow trends in the developer world.

DATABASE TRENDS



Top 5 Databases desired for the next year



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IBM Developer SKILLS NETWORK

NEW ONE

DATABASE TRENDS

FINDINGS & IMPLICATIONS

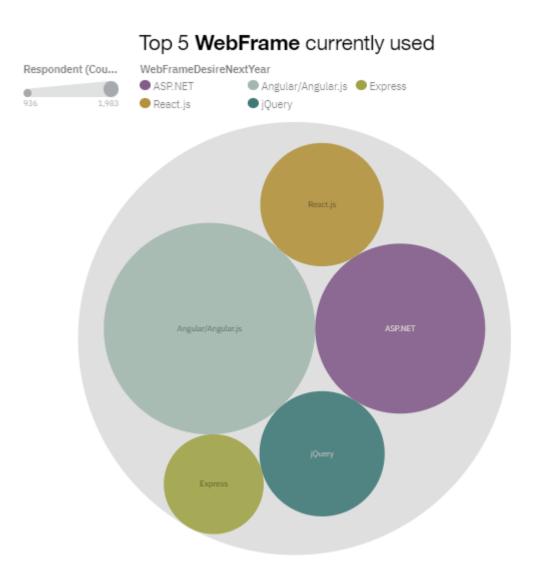
FINDINGS

- Relational Databases are a more common trend in the present time
- Non-Relational Databases will become more often choosing by users

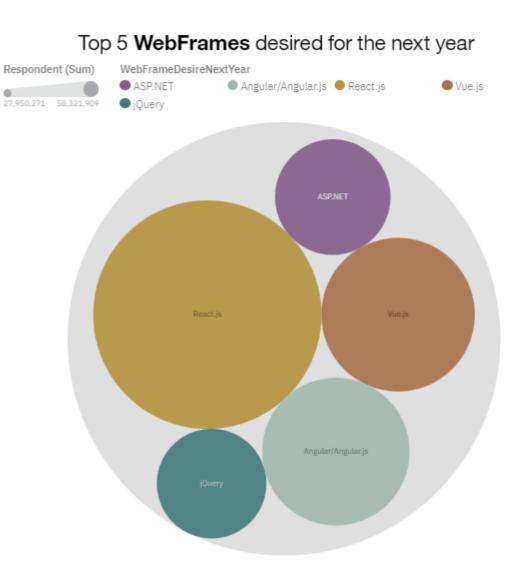
IMPLICATIONS

- The present and the future belong to the data world, especially if we look at social media. We have data everywhere not only in tables. Social media are a really important tool and knowledge of how to use these types of data will become very important in the future.
- Users/Developers start to learn/use Non-Relational Databases.

WEBFRAME TRENDS



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IBM Developer | SKILLS NETWORK

WEBFRAME TRENDS

FINDINGS & IMPLICATIONS

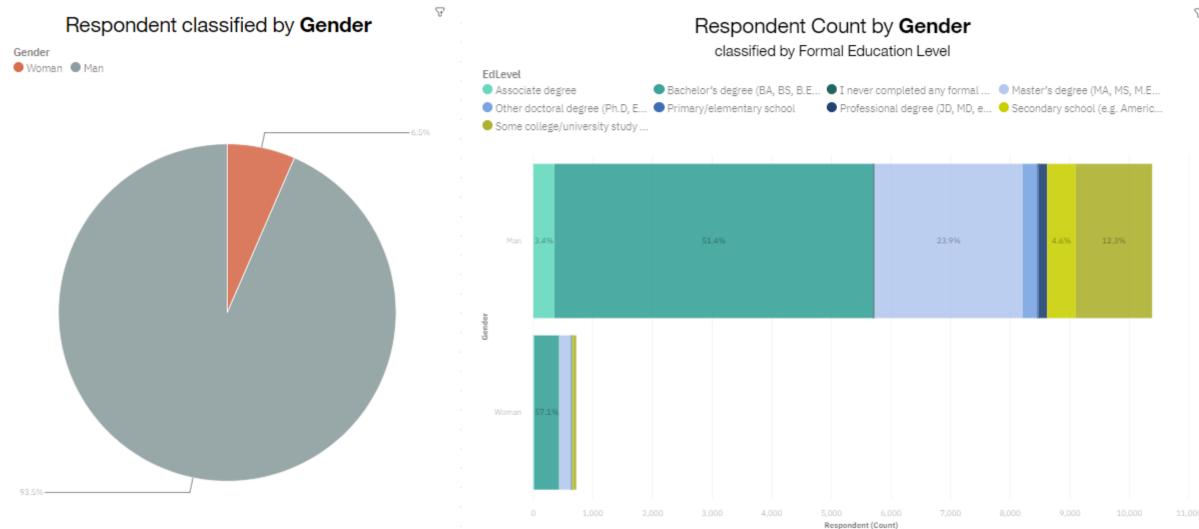
FINDINGS

- Currently most common WebFremes are Angular and ASP.NET
- In the Future more servants want to know
 WebFrames as React.js and Vue.js

IMPLICATIONS

 Exectly the same lake previous slides we can observe the simplicity defeat difficulties. In the Future most common WebFremes become easier frameworks like React or Vue.

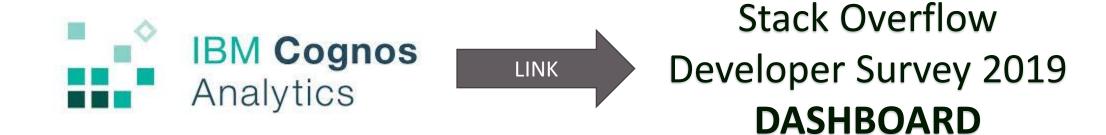
DEMOGRAPHY INSIDES



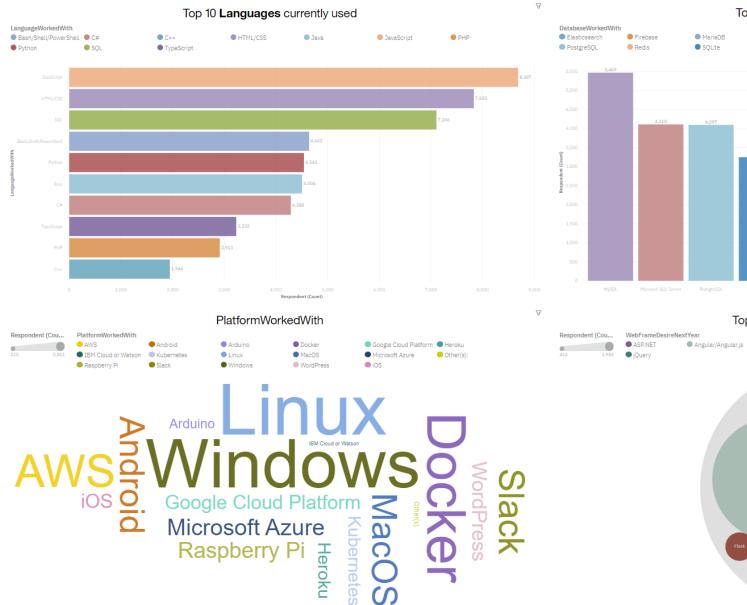
NEW ONE

IBM Developer SKILLS NETWORK

DASHBOARD



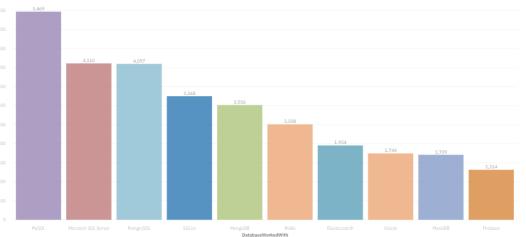
CURRENT TECHNOLOGY USAGE



Top 10 Database currently used

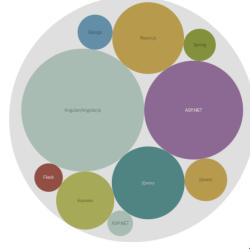
aDB
Microsoft SQL Server
MongoDB

MySQL Oracle



Top 10 WebFrame currently used



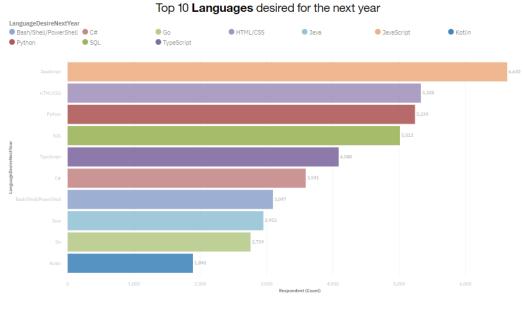


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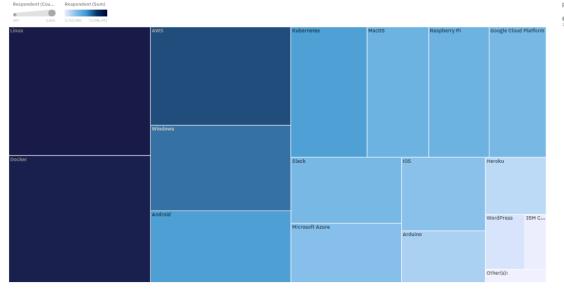
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FUTURE TECHNOLOGY TREND



Desired platforms for the next year



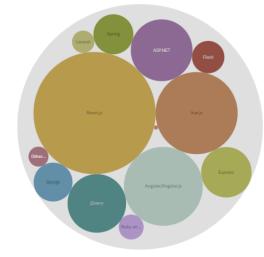
Top 10 Databases desired for the next year

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Top 10 WebFrames desired for the next year



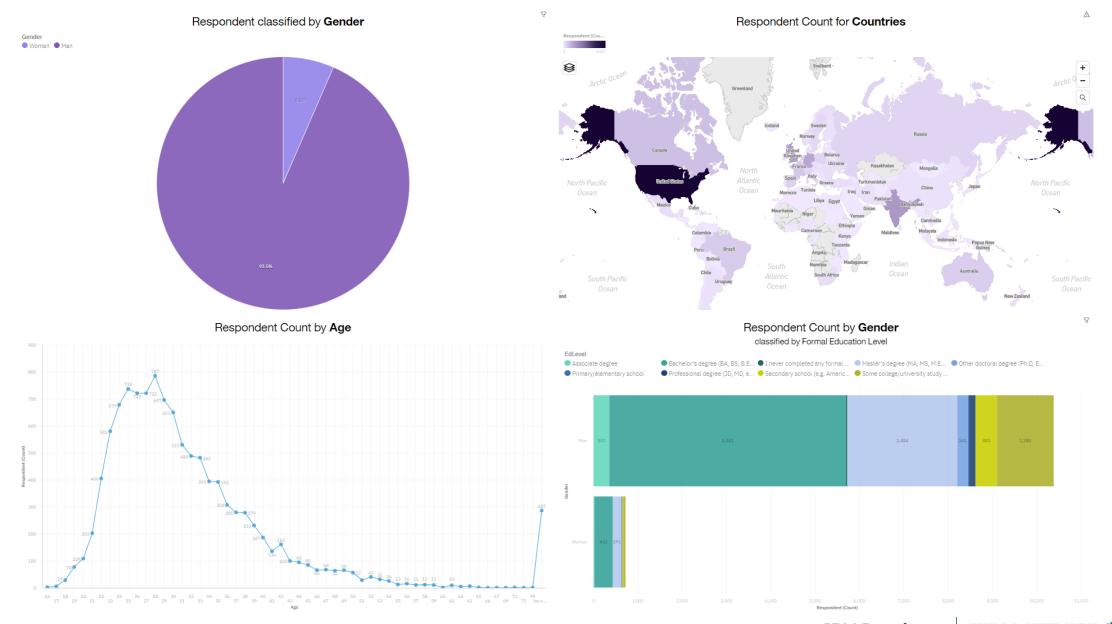


IBM Developer SKILLS NETWORK

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DEMOGRAPHICS



IBM Developer SKILLS NETWORK

NEW ONE

DISCUSSION

FINDINGS

- The 1st and 2nd place remains unchanged in both measured periods: current and future JAVAScript and HTML
- Python has the rising trend
- Relational Databases are a more common trend in the present time
- Non-Relational Databases will become more often choosing by users
- Currently most common WebFremes are Angular and ASP.NET
- In the Future more servants want to know WebFrames as
 React.js and Vue.js
- In job market the vast majority are man.
- More then 50% respondents had Bachelor degree

IMPLICATIONS

- The present and the future belong to the data world. We have data everywhere not only in tables. Even now we can see how changes developers world. We can observe like the simplicity defeat difficulties:
 - Languages: the simple PROGRAMING
 LANGUAGE become more popular like Python.
 - Non-Relational Databases gives as more date easier to collect.
 - WebFrames which are easier to learn and use defeat a more difficult one.
- In job market definitely is a space for women who would like to develop their careers in this IT industry.
- "PRACTICE MAKES PERFECT" Practice is important we can assume it is important then Master degree.

CONCLUSION

PURPOSE

Analysis current and desired technologies in developer job market for identify future skill requirements.

Analysis for GLOBAL IT AND BUSINESS CONSULTING FIRM "STACK OVERFLOW"

CONCLUSION

How will changing the technologies and what future skills requirements will be?

Technology develops very rapidly and does not stop. It is certain that developers have to grow with it

✓ What are the top programming languages in demand?

Still most demand are JAVAScript and HTML, but we can observe how fast interest in Python grow

✓ What are the top database skills in demand?

Knowledge about RDBMS and non RDBMS will be damand. We have data everywhere from the table to the websites with photos

What are the popular WebFramess?

WebFrames which are easier to learn and use defeat a more difficult one

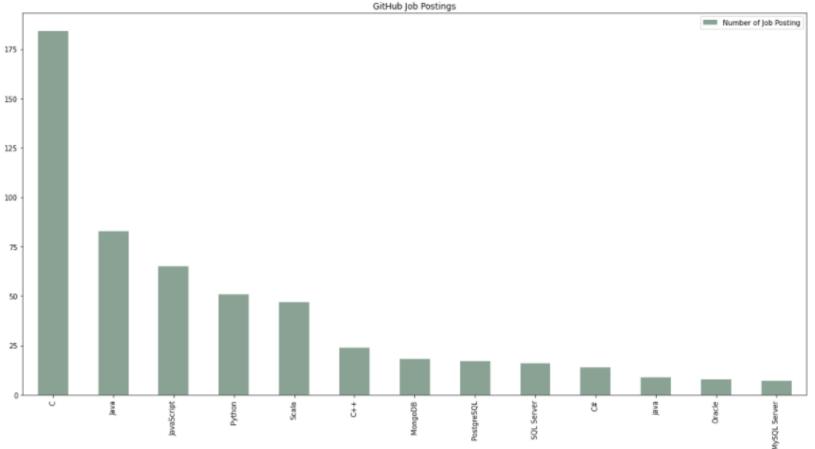
✓ How works as Developer? For whom is it recommended?

This JOB is recommended for everyone who love working with code and datas

NEW ONE

APPENDIX

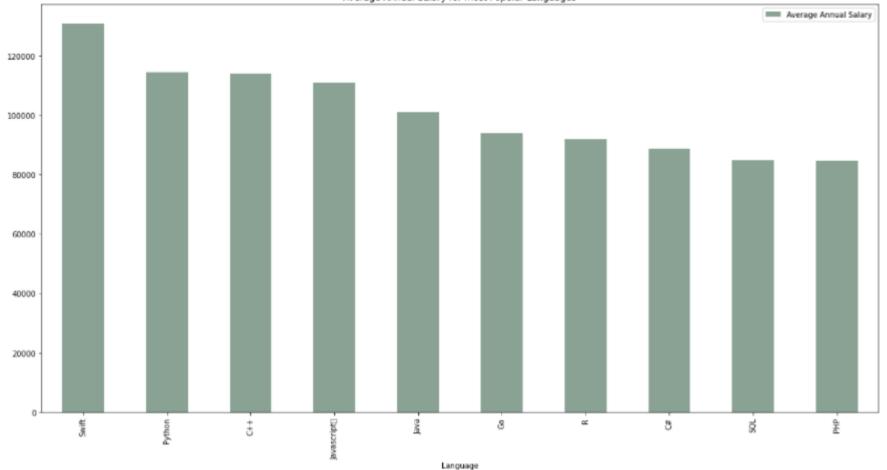
GITHUB JOB POSTINGS



Languages

<u>CODE</u>

POPULAR LANGUAGES



Average Annual Salary for most Popular Languages

<u>CODE</u>