



Final Presentation

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SKILLS NETWORK 

OUTLINE



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

EXECUTIVE SUMMARY



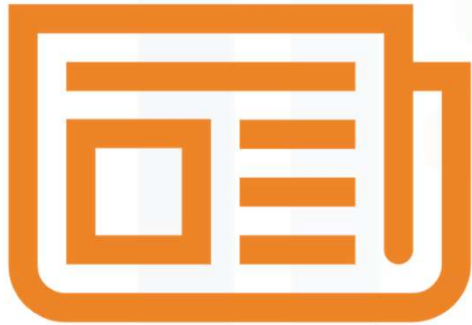
- Summary Of Methodologies
 - Data Collection via API, Web Scraping
 - Data Wrangling
 - Exploratory Data Analyses
 - Data Visualization with Python
 - IBM Cognos to Data Visualization
- Summary of Results
 - Exploratory Data Analyses
 - Interactive Dash Boards
 - Final analysis and Conclusion

INTRODUCTION



- **Project Background and Context**
- The goal of this project is to show the current most relevant language for programming and the most relevant language for the coming years. The most used database and the one we most want to work with next year.
- **Problems that you want to find Answers**
- What is the most relevant program language and the most relevant language for next year?
- What are the top 10 most relevant databases and the 10 most relevant databases for the next year?

METHODOLOGY



- Summary Of Methodologies
 - Data Collection via API, Web Scraping
 - Data Wrangling
 - Exploratory Data Analyses
 - Data Visualization with Python
 - IBM Cognos to Data Visualization

RESULTS

The research shows that the top five languages work with is JavaScript, HTML/CSS, SQL, PowerShell, and Python in this respective sequence, and for the next year the programmers want to learn or migrate to a new language the top five languages are JavaScript, HTML/CSS, Python, SQL, TypeScript. We can see that the first position continued with JavaScript and HTML/CSS, but Python nowadays is the fifth language most used, for next year will jump for the third position.

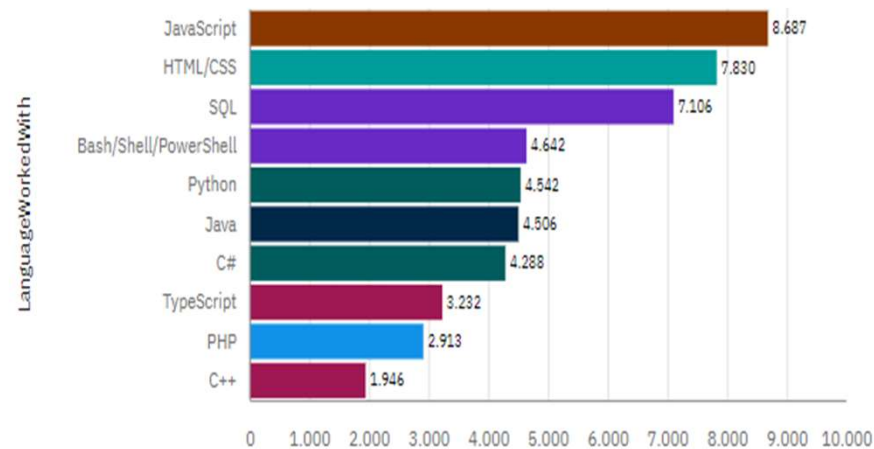
In this research, we Analysed the top 10 most relevant databases which show MySQL is the most used today for the next year is PostgreSQL.

I hope this research helps people who are initiating this career and make the best choice to start.

PROGRAMMING LANGUAGE TRENDS

Current Year

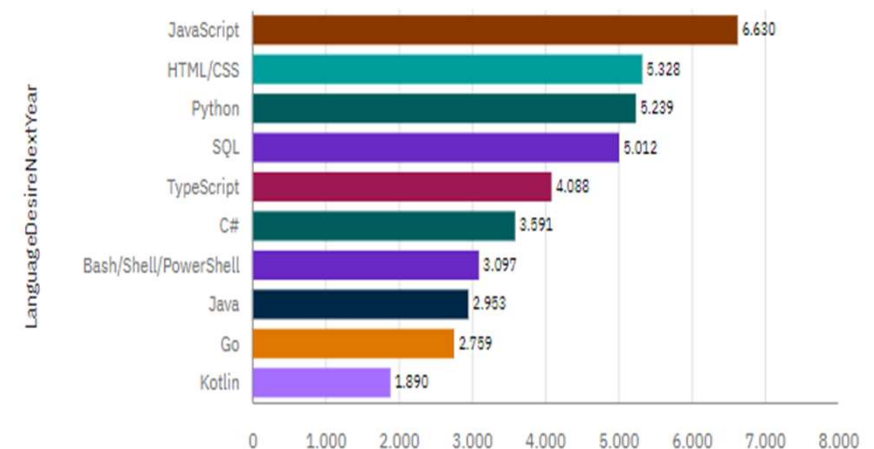
Top 10 Language Worked With



LanguageWorkedWith (Contar)

Next Year

Top 10 LanguageDesireNextYear



LanguageDesireNextYear (Contar)

PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- JavaScript and HTML/CSS
- Python
- SQL

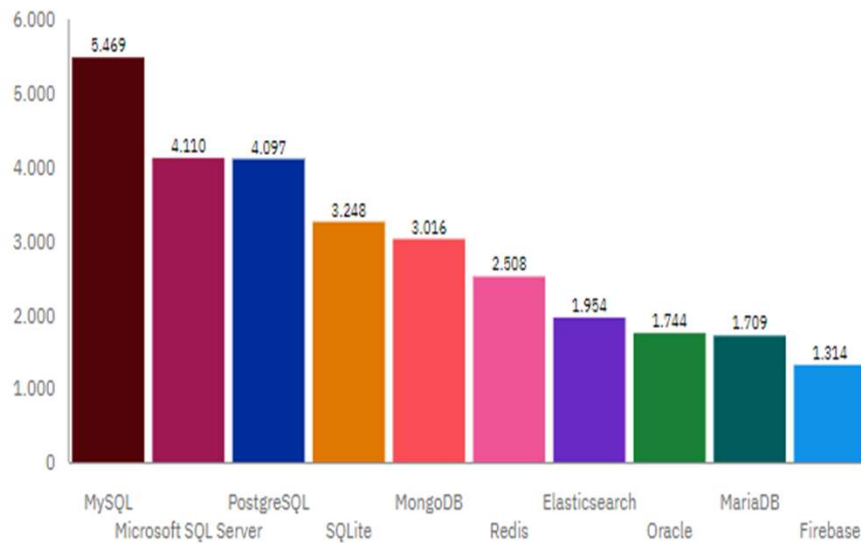
Implications

- This language will keep in first and second position for the next year
- Python is nowadays the fifth language most used, but next year will move to the third position, a lot of this is the demand for jobs for data analyses and scientist
- SQL was entered in this list because of the high volume of jobs for data analysts available in the market

DATABASE TRENDS

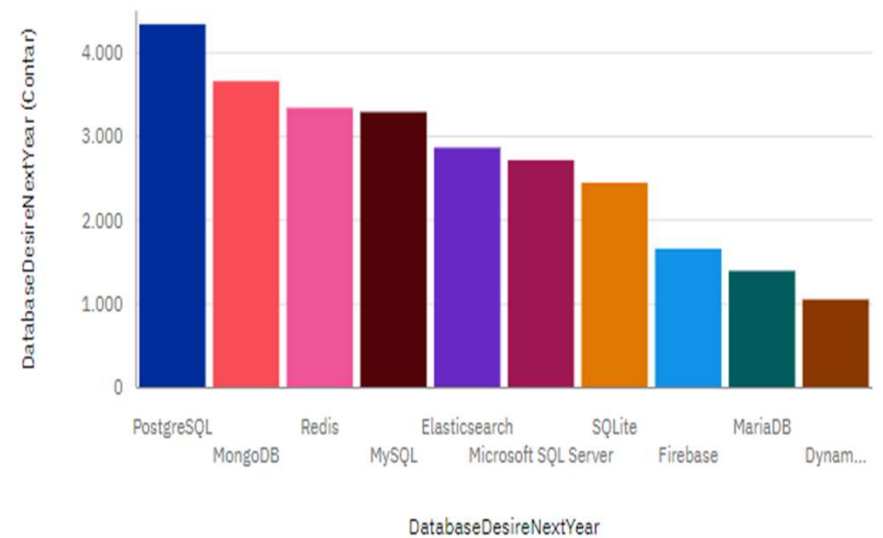
Current Year

Top 10 Data base Worked With



Next Year

Top 10 Database Desire Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- MySQL
- PostgreSQL
- MongoDB

Implications

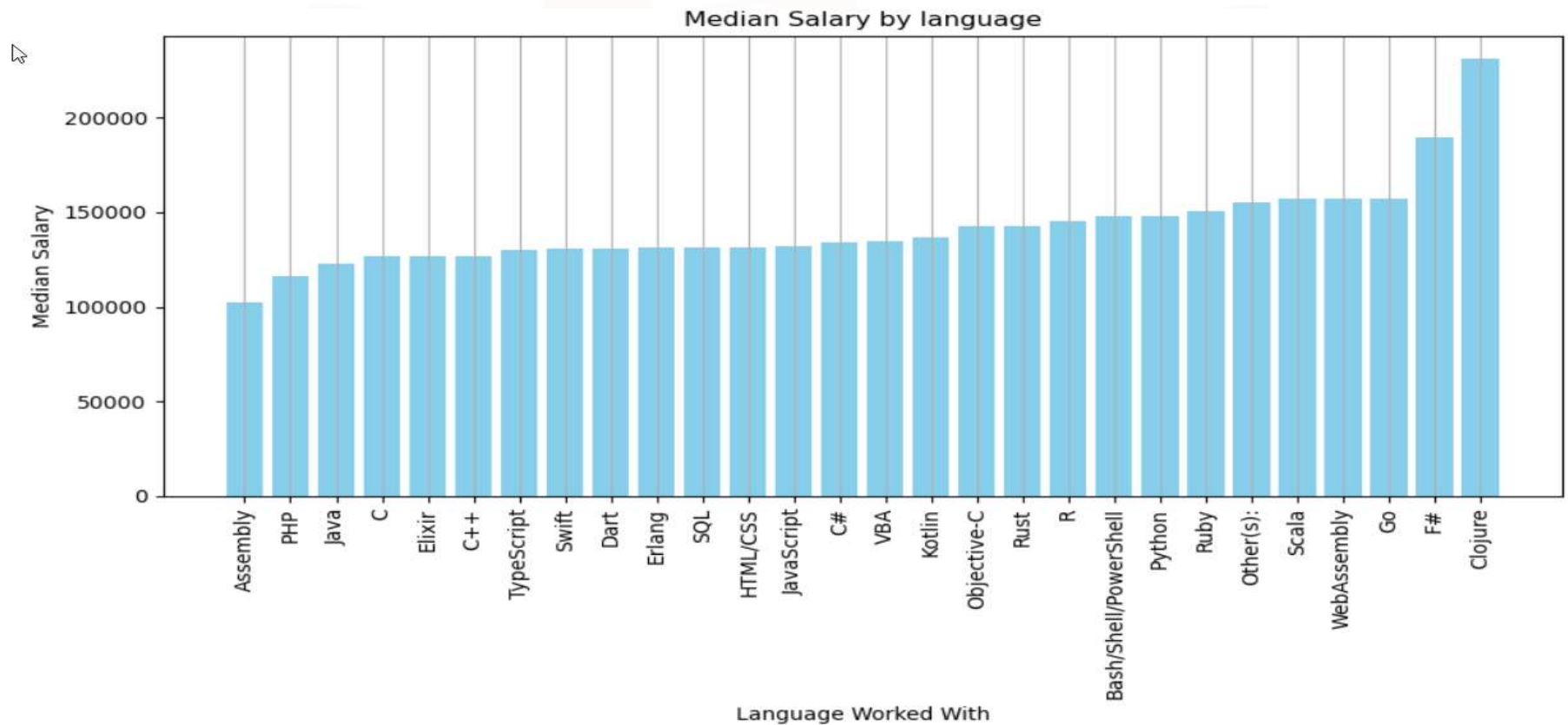
- MySQL is the most used database currently, but in the coming years its use will fall, it will move from the first position to occupy the fourth most used database position in the coming years.
- PostgreSQL is currently in third place, but in the coming years it will be the most used and studied database
- MongoDB is an excellent database, currently in fifth place and in the coming years it will be the second most used

DASHBOARD

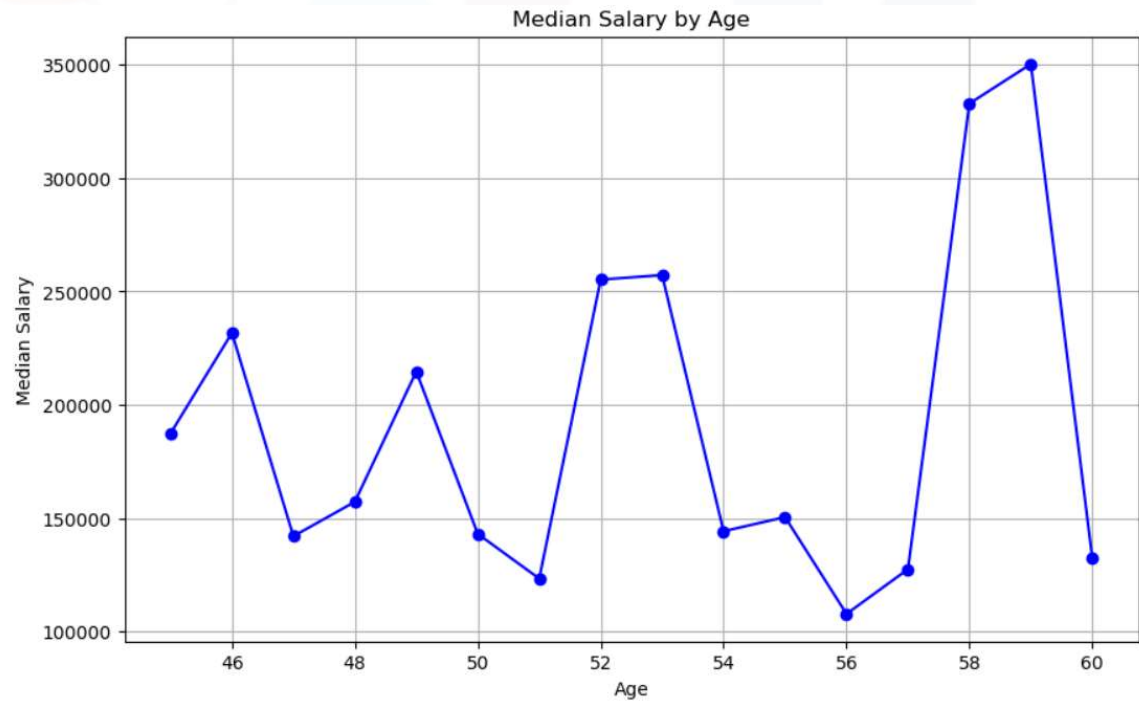
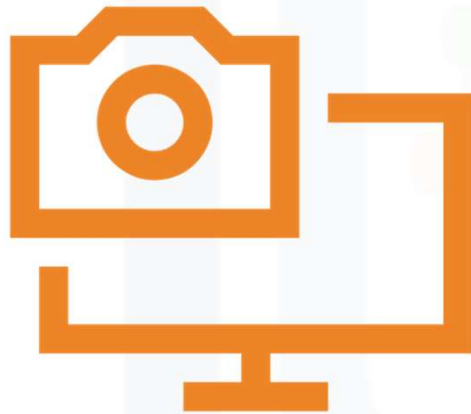


[README.md/IBM Cognos Analytics test week 5.pdf at main · Leonavarro93/README.md \(github.com\)](#)

POPULAR LANGUAGES



APPENDIX



CONCLUSION



- In conclusion, JavaScript and HTML/CSS will be kept in the first and second position of most used program languages for the next years.
- Python assumes the third position followed by SQL, in which we can see an increase in the work market looking for Data Analyst, Data Scientist and Python is among the 10 most well-paid languages
- Database Trends - MongoDB is an excellent database, currently in fifth place and in the coming years it will be the second most used