

Future Programming Skills Trend

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OUTLINE



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- Discussion
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EXECUTIVE SUMMARY



Job Demand Collection:

 Gather job openings data across diverse technology sectors and locations

Data Analysis for Insights:

- Top Programming Languages
- Top Databases Skills
- Popular IDE

Dashboard Creation

Develop a comprehensive dashboard showcasing current skills, future trend skills, and demographics

INTRODUCTION



- Staying abreast of evolving technology is crucial for IT professionals and consultants to remain proficient in delivering effective solutions
- Key Areas of Concerns include:
 - Identifying current programming and database skills in demand
 - Anticipating the programming and database skills that will be sought after in the future

METHODOLOGY



- Data Collection
- Data Wrangling
- Exploring Data Analysis
- Data Visualization
- Dashboard Creation
- Presenting of Findings

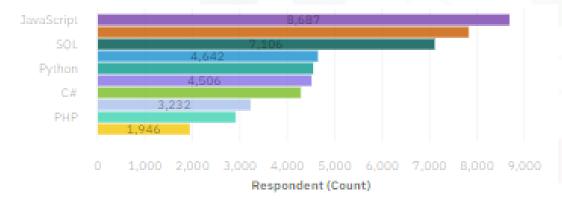
RESULTS

The gathered data undergoes a process of data cleansing before applying statistical techniques for analysis.

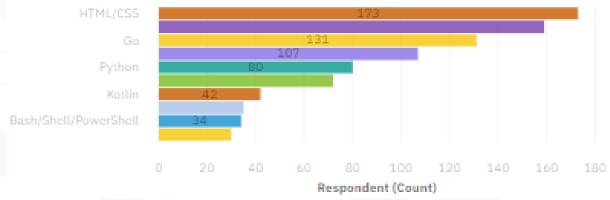
This comprehensive approach ensures that all information is thoroughly examined, leading to the creation of dashboards that depict both current trends and projections for the next year.

PROGRAMMING LANGUAGE TRENDS





Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & **IMPLICATIONS**

Findings

- JavaScript is the most popular programming language, followed by HTML/CSS & Python
- TypeScript is expected to be in the 5th place, while the Bash/Shell/PowerShell is out

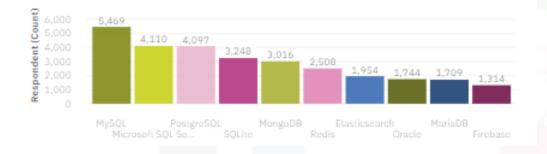
Implications

- JavaScript and HTML/CSS will be still part of the trend
- People are also still interested in Python
- SQL will be still preferable

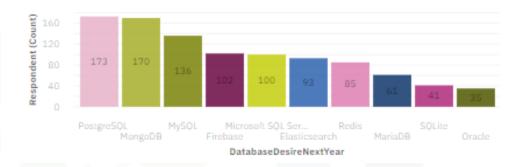


DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

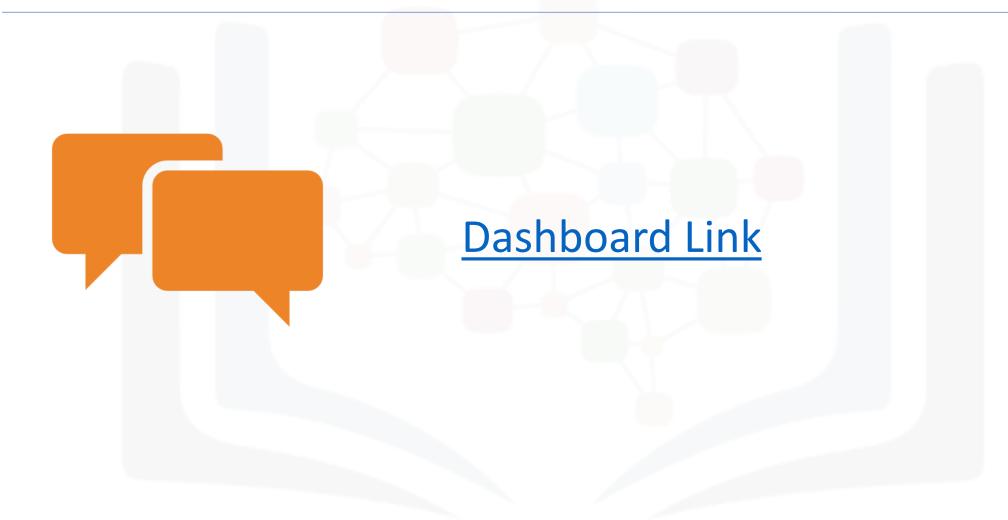
Findings

- PostgreSQL is expected to pass MySQL in the next year
- MangoDB will jump from 5th to 2nd place
- MicrosoftSQL & SQLite is predicted to be replaced by Radish & Elasticsearch

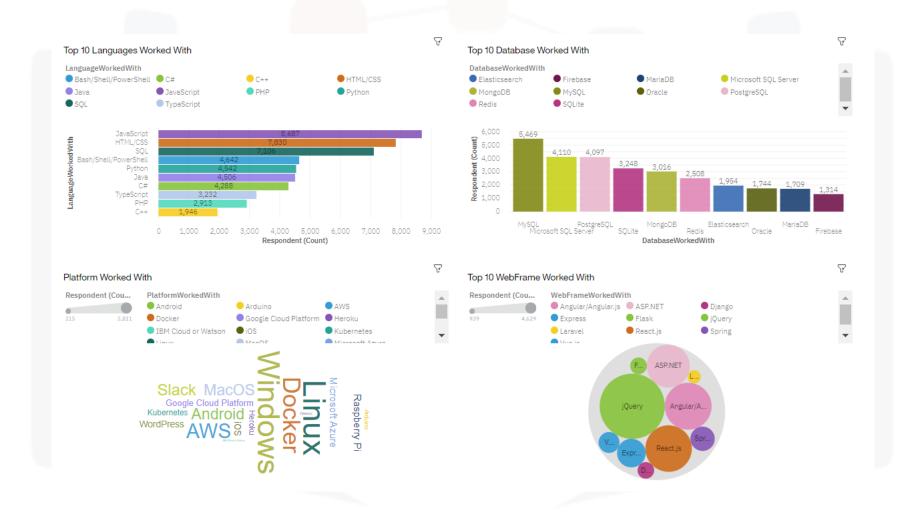
Implications

- MySQL sudden decrease in usage & MangoDB sudden increase in usage
- Radish and Elasticsearch will be used in the top 5th used databases

DASHBOARD



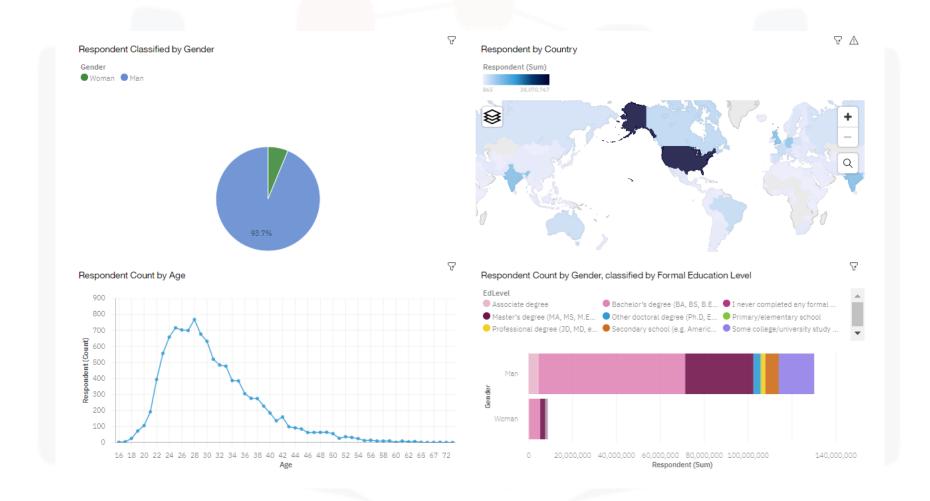
DASHBOARD TAB 1



DASHBOARD TAB 2



DASHBOARD TAB 3



DISCUSSION



- Woman job opportunities in the tech industry
- What are the key elements of HTML/CSS that are fundamental
- What will be the future for SQL Servers

OVERALL FINDINGS & IMPLICATIONS

Findings

- In the upcoming year, JavaScript and HTML/CSS are anticipated to maintain their positions as the top two programming languages.
- Python is expected to surpass SQL, while Bash/Shell/PowerShell are not projected to feature prominently in the coming year.
- Linux is projected to dominate the platform landscape, with Docker replacing Windows.
- Male respondents outnumber female respondents, with the highest number located in the Russian Federation.
- The average age of respondents is around 28, and a significant portion holds a Bachelor's degree.

Implications

- Continued popularity is anticipated for JavaScript and HTML/CSS.
- Python is expected to garner increased interest.
- SQL servers will remain in demand, PostgreSQL is predicted to emerge as the most popular database.
- Docker is slated to be the preferred choice, aligning with the popularity of Linux.
- The demand for jQuery is on a declining trend.
- The analysis assumes that a substantial number of young Russian men holding Bachelor's degrees will contribute to the responses.



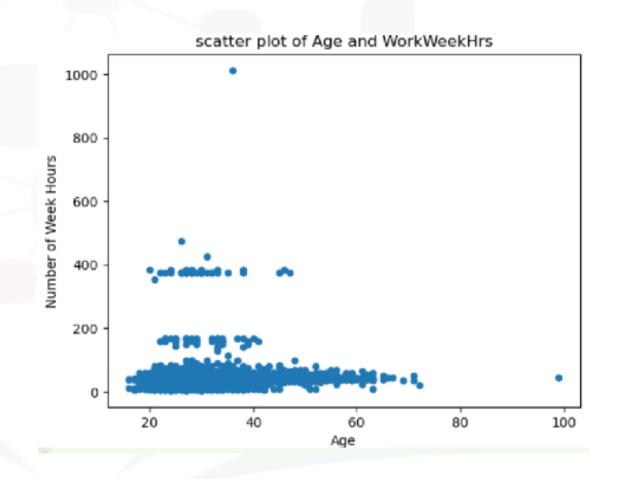
CONCLUSION



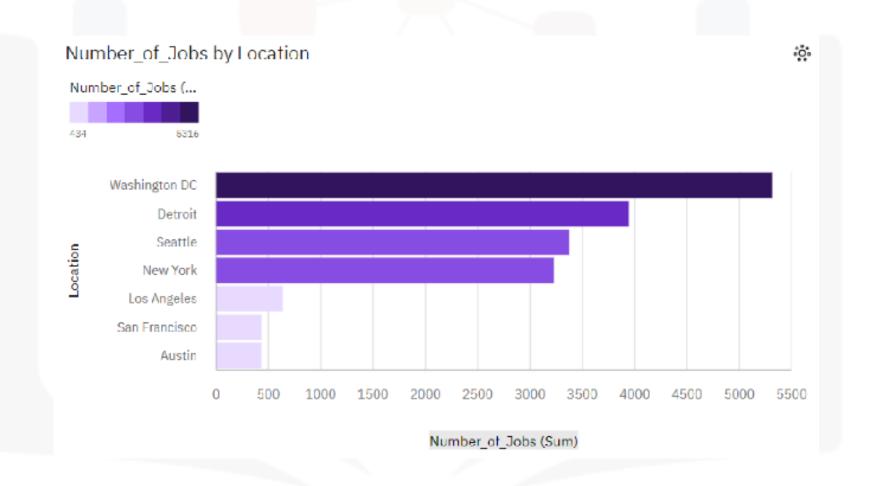
- HTML/CSS is expected to remain equally popular in the coming year.
- PostgreSQL is anticipated to be the most indemand database.
- The Linux platform is predicted to maintain its top position in requirements.
- React.js is projected to occupy the largest percentage of the web development framework.
- Men show more interest in IT skills compared to women.

APPENDIX





JOB POSTINGS



POPULAR LANGUAGES

