



Technology trend

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OUTLINE



- Executive Summary
- Introduction
- Methodology
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- Discussion
 - Findings & Implications
- Conclusion
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EXECUTIVE SUMMARY



- Current Technology Usage
- Future Technology Trend
 - Language
 - Database
 - Platform
 - Frameworks
- Demographics
- Gender Difference

INTRODUCTION



- Analyzing the trends in technology among developers
- Purpose of Analysis
 - Identify the most in demand programming languages, databases, platforms and web frameworks
 - Identify future technologies
 - Identify the gaps in personnel
- Audience
 - IT companies
 - Programmers

METHODOLOGY



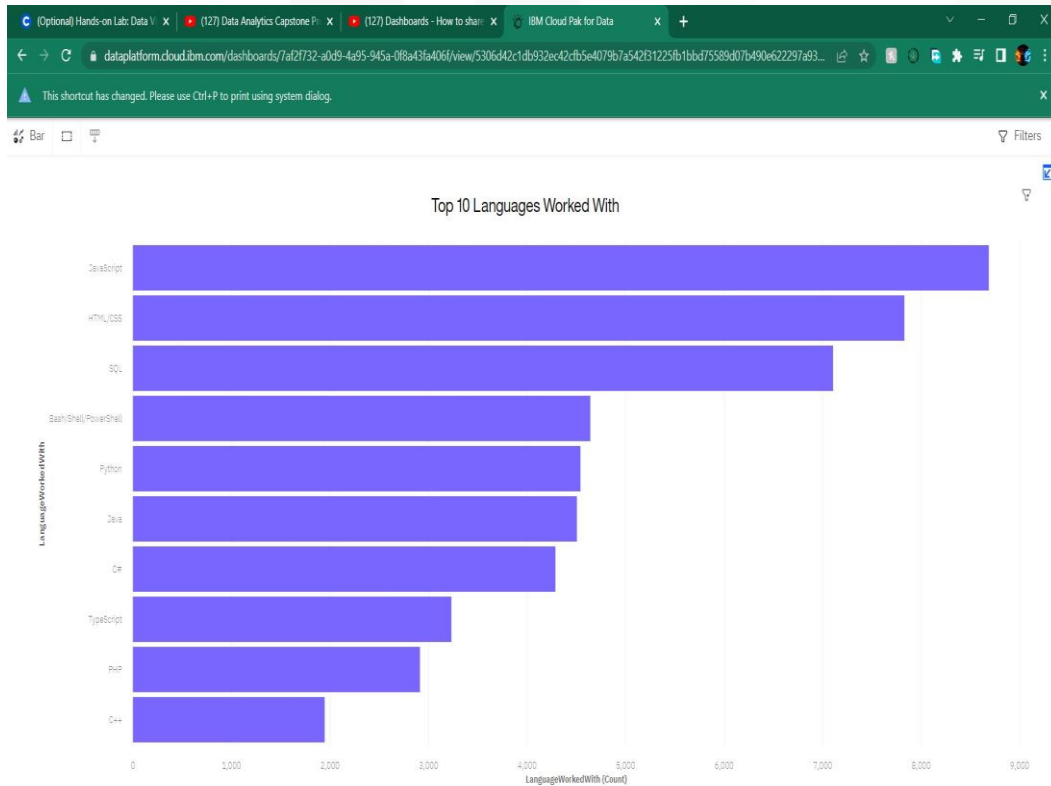
- Data Collection
 - Github job postings
 - Programming languages annual salary
 - Stack overflow developer 2019 survey
- Data Wrangling
- Data Exploration
- Data Cleaning
- Data Visualization
 - Python(matplotlib)
 - IBM Cognos

RESULTS



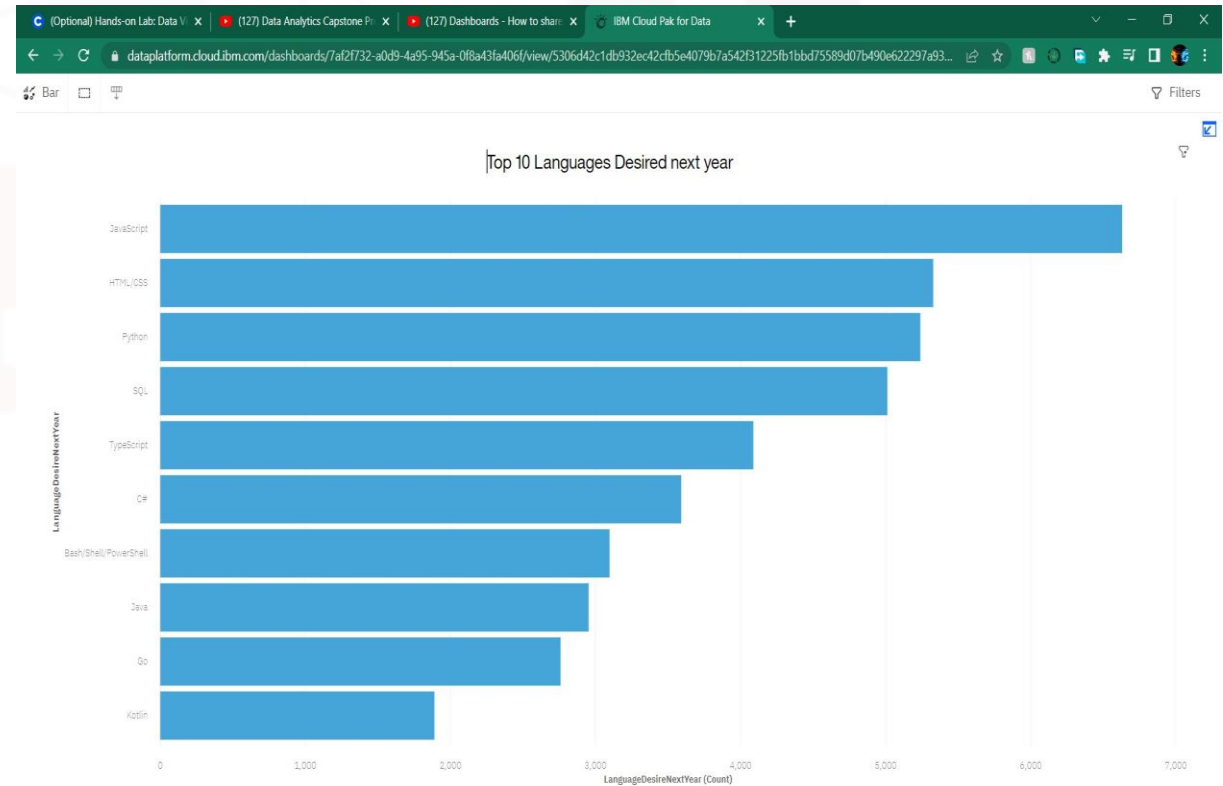
PROGRAMMING LANGUAGE TRENDS

Current Year



powered by IBM Cloud Pak for Data

Next Year



powered by IBM Cloud Pak for Data

PROGRAMMING LANGUAGE TRENDS – FINDINGS & IMPLICATIONS

Findings

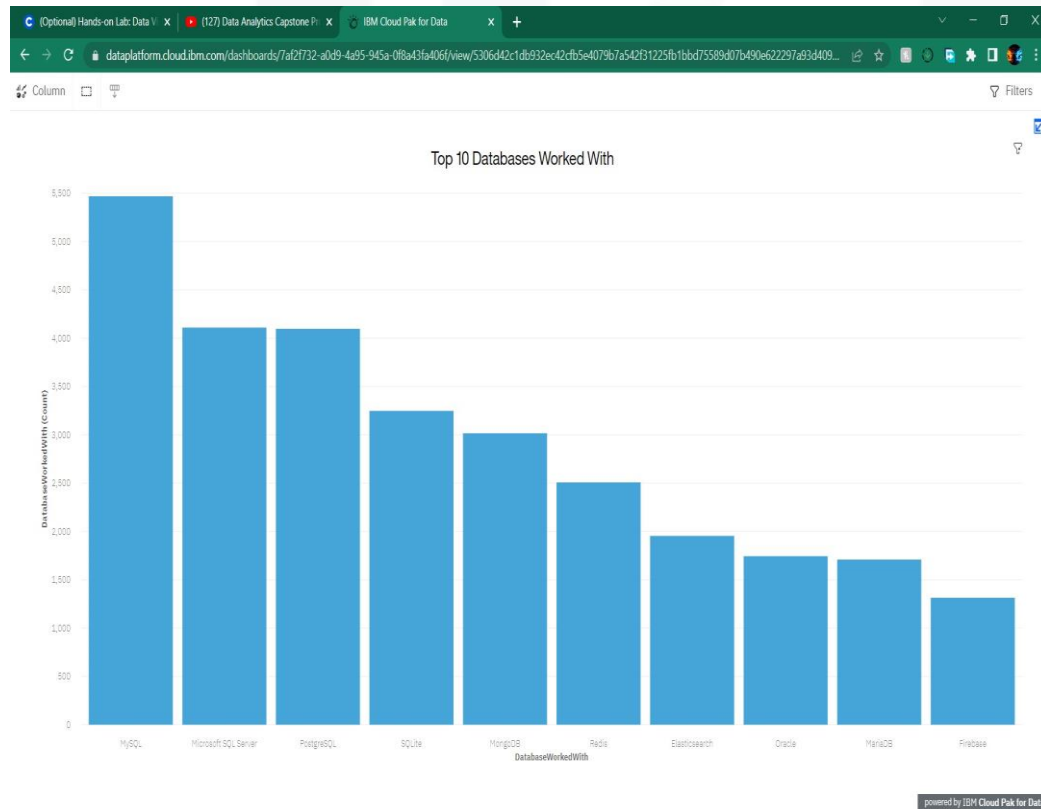
- Javascript is the most popular language
- HTML/CSS is the second most popular language
- Python is trending upwards

Implications

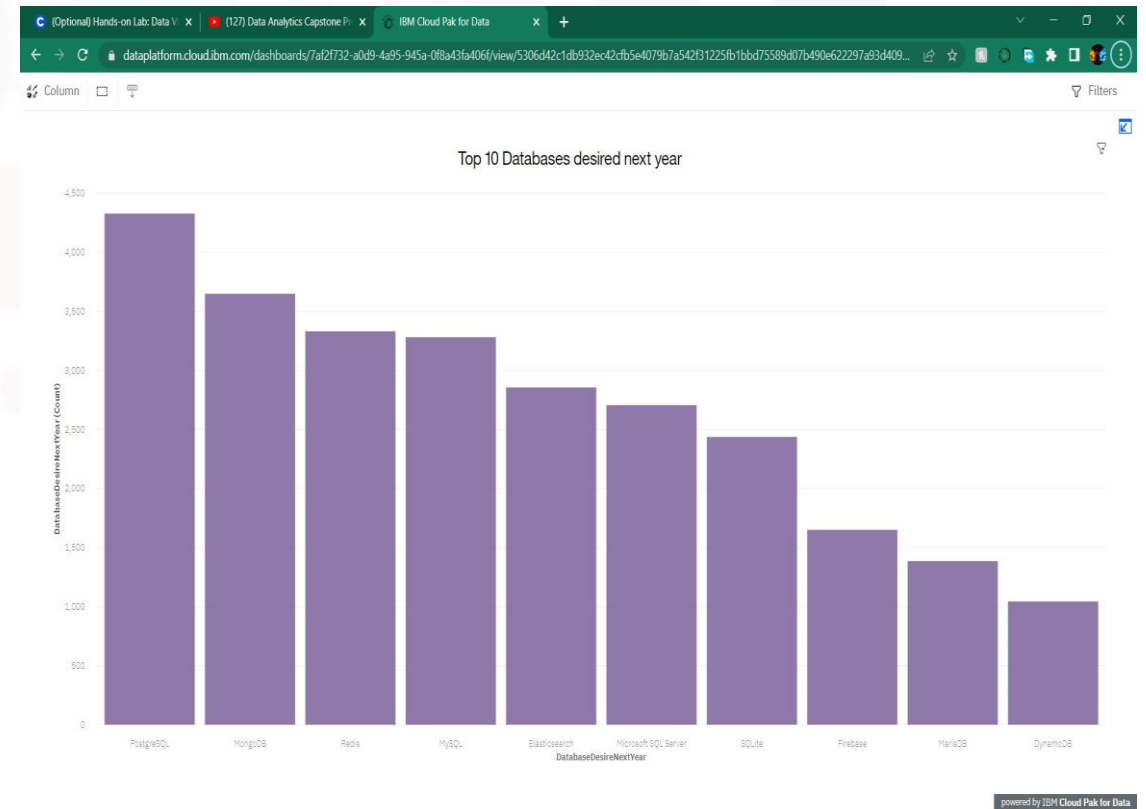
- Javascript is in high demand in the present and future
- Python is quickly being adopted by more people
- C++ and Java are becoming less favorable

DATABASE TRENDS

Current Year



Next Year



DATABASE TRENDS – FINDINGS & IMPLICATIONS

Findings

- MySQL is the most popular database
- Non-RDBMS are becoming dominant

Implications

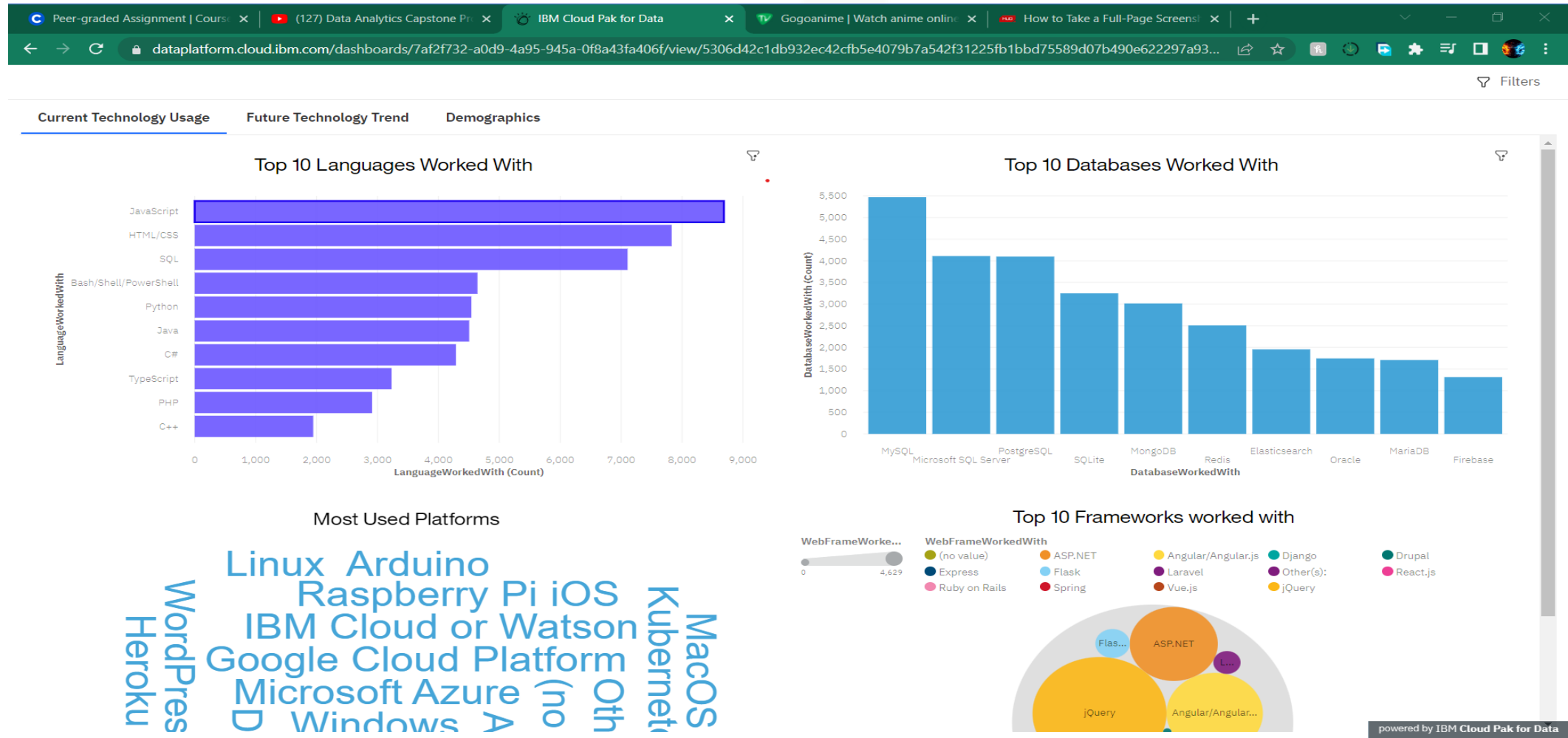
- MySQL is the most widely adopted database
- Non-RDBMS are becoming dominant

DASHBOARD

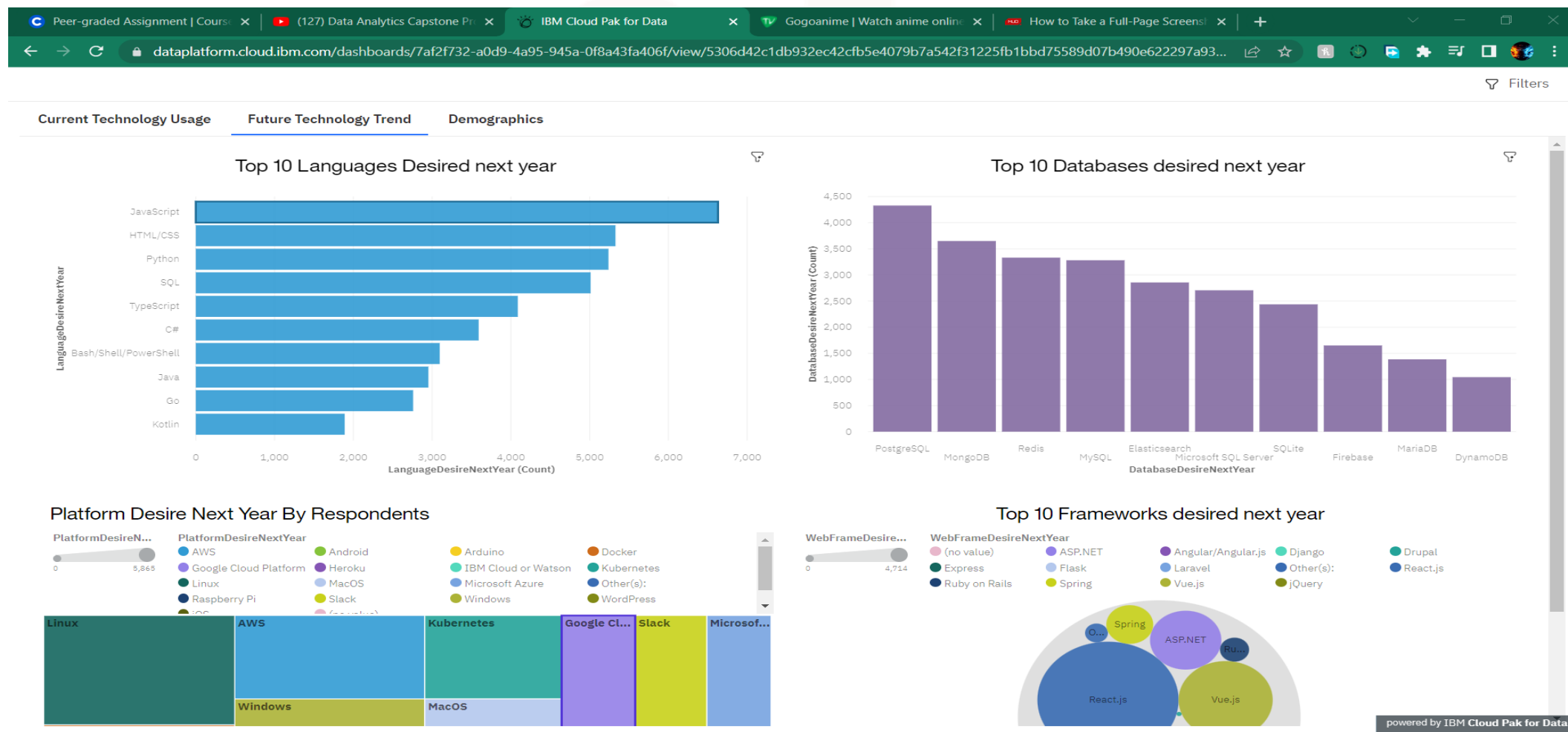


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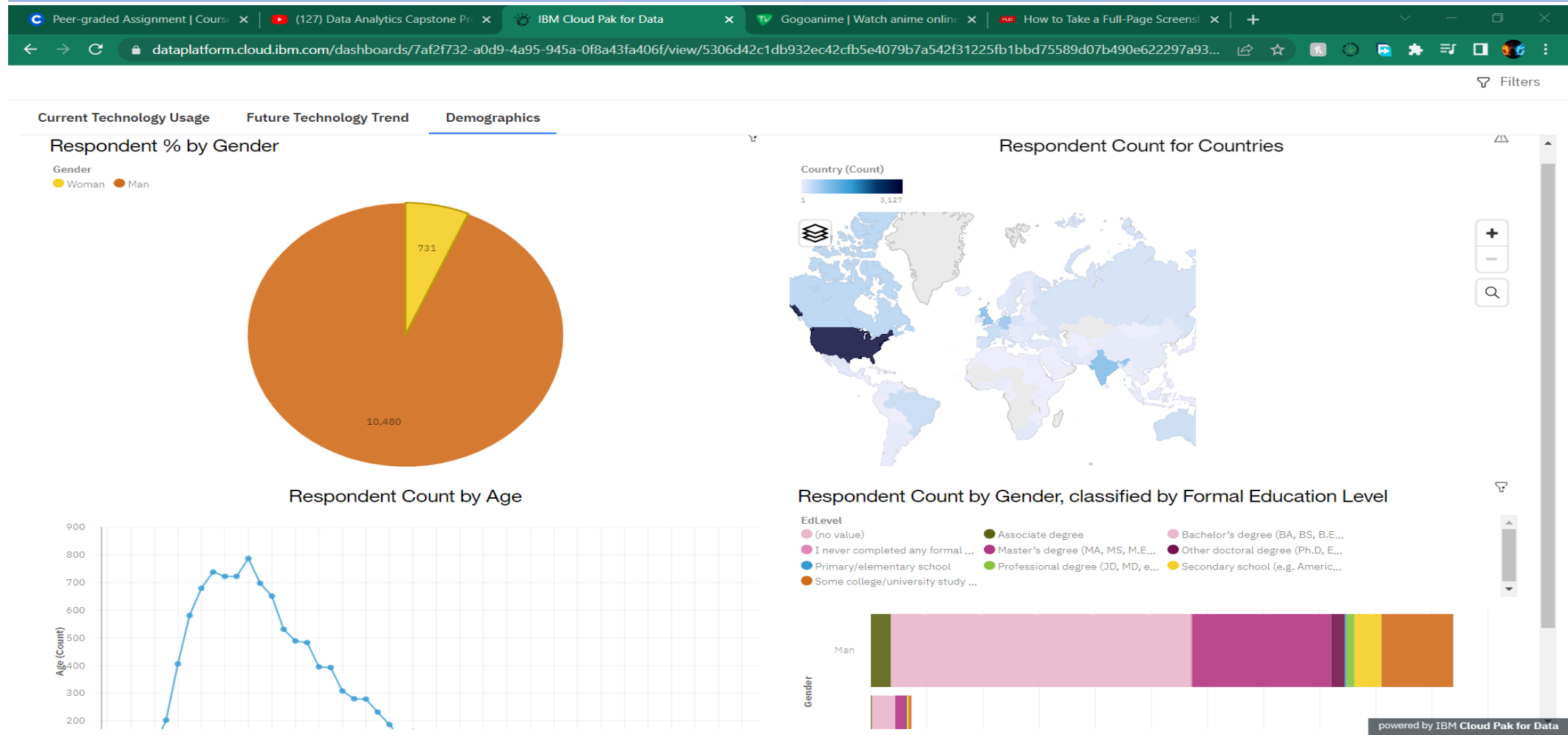
CURRENT TECHNOLOGY USAGE



FUTURE TECHNOLOGY TREND



DEMOGRAPHICS



DISCUSSION

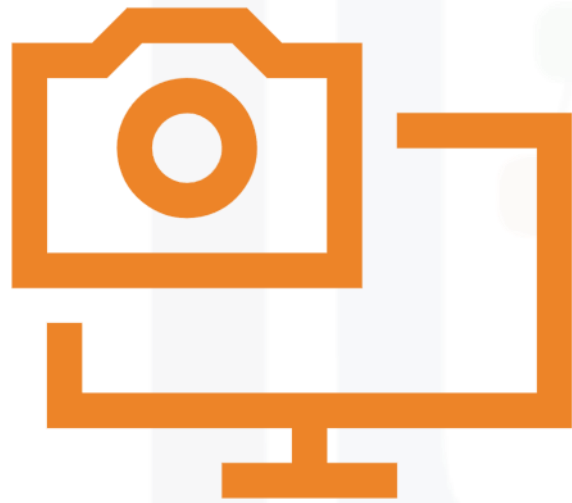
- It is clear that technology is ever changing and professionals need to keep up with the current trend in technology

CONCLUSION



- Trends in technology change by the year
- There is gender bias
- USA is the leader in technology

APPENDIX



Job Posting by Location

