FINDINGS AND IMPLICATIONS REPORT

Jobanpreet kaur Banipal

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IBM Developer

SKILLS NETWORK

OUTLINE

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

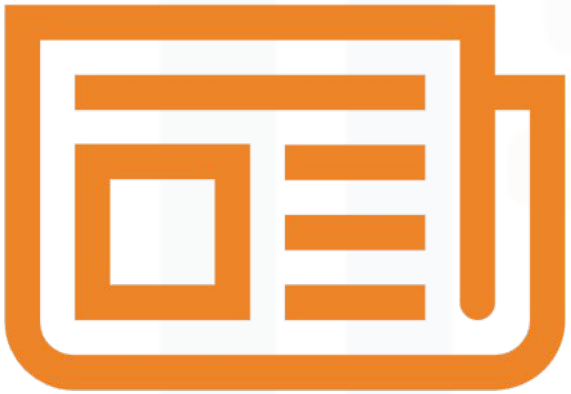
EXECUTIVE SUMMARY

- Current Technology Usage
  - Top 10 Languages
  - Top 10 Databases
  - Platform
  - Top 10 Web Frames
- Future Technology trends
  - Top 10 Languages
  - Top 10 Databases
  - Platform
  - Top 10 Web Frames
- Demographics
  - Respondent classified by gender
  - Respondent count by countries
  - Respondent count for age
  - Respondent count by gender and by education level

INTRODUCTION

- The top 10 Programming Languages in demand and in future.
- The top 10 Databases in demand and in future.
- Mostly used Platforms
- Correlation between data using dashboard

METHODOLOGY



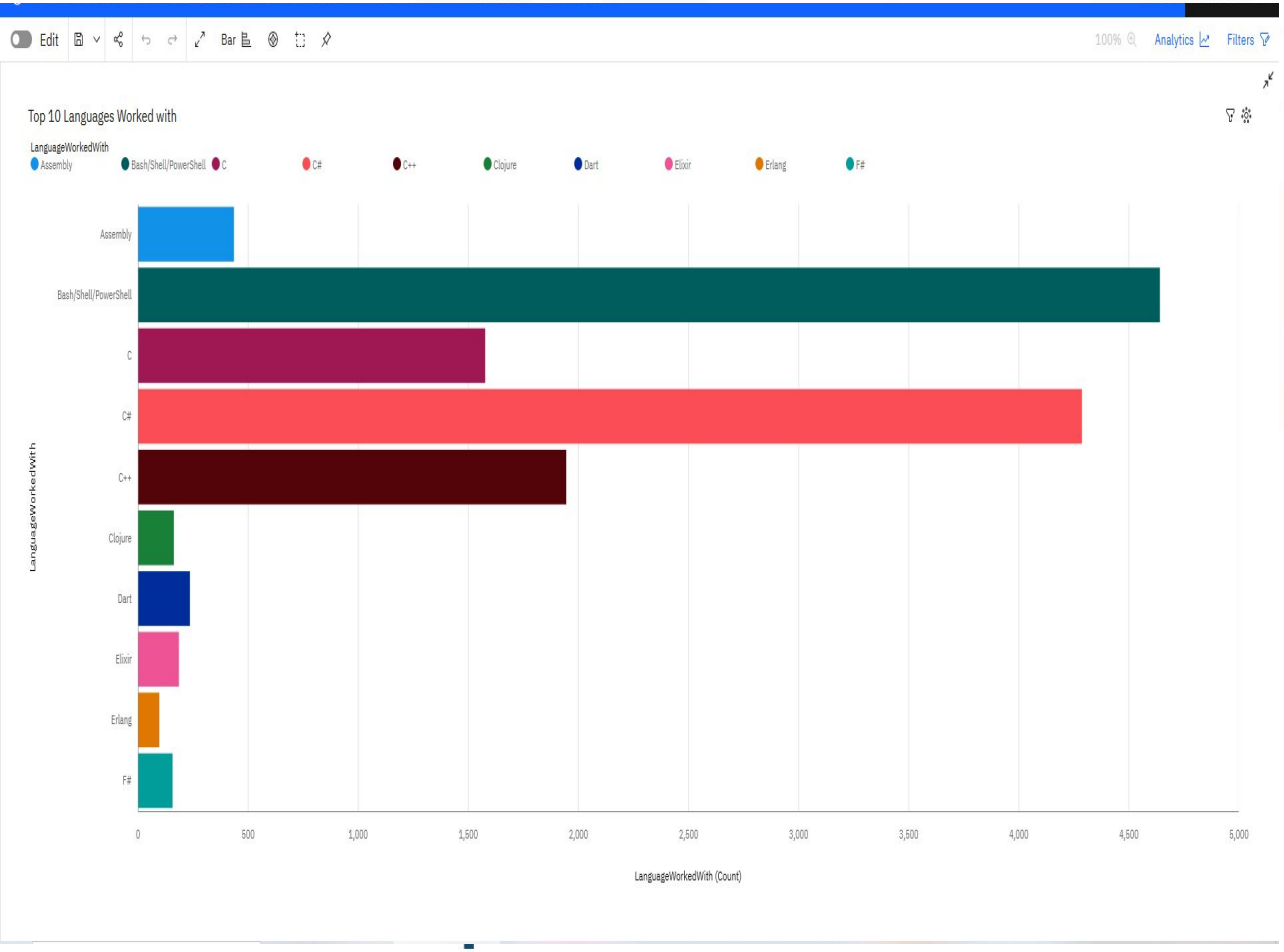
- Collecting Data using API
- Collecting Data using Web scrapping method

RESULTS

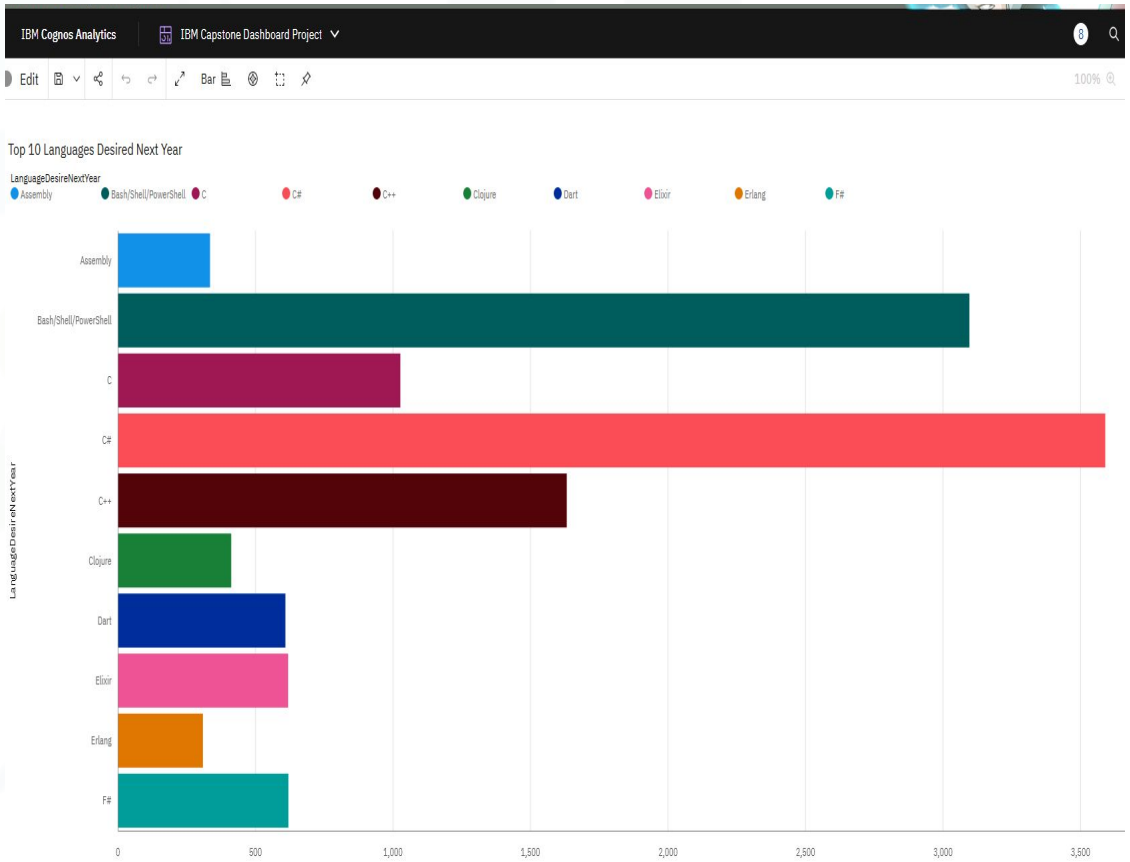
Next upcoming slides show results obtained by using Dashboard visualization.

PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



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PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

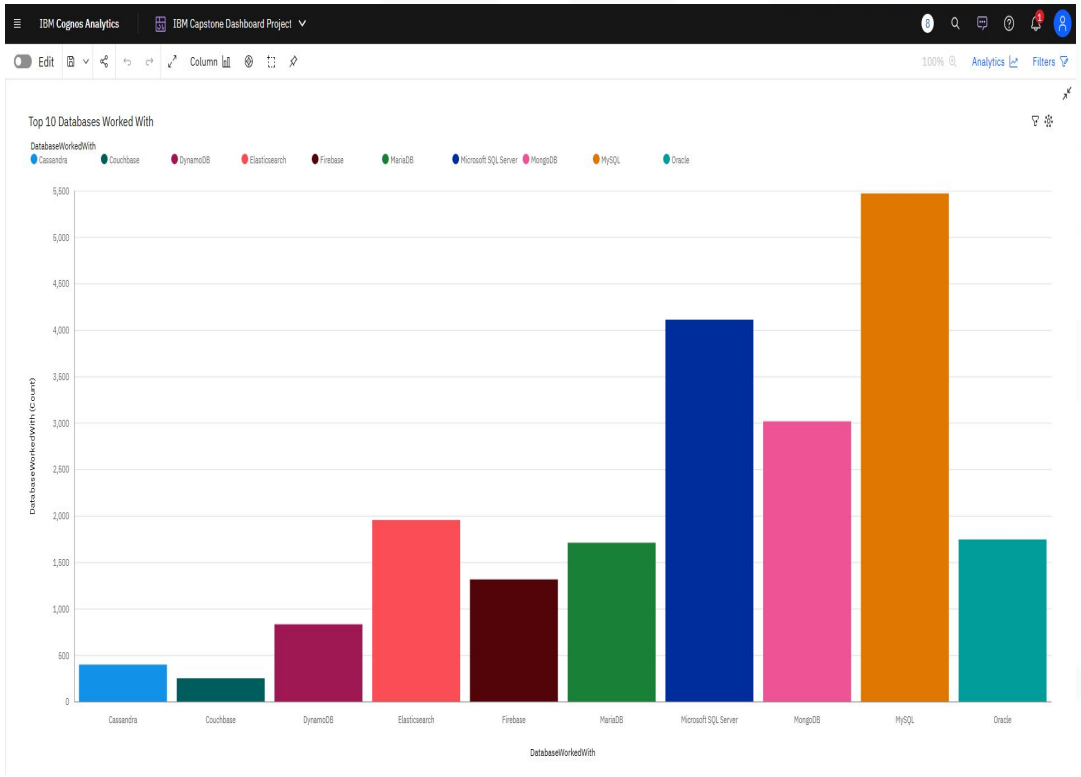
- Powershell CLI is mostly used language now.
- C# will be in trend in next years.
- Erlang is the least language used now these day.

Implications

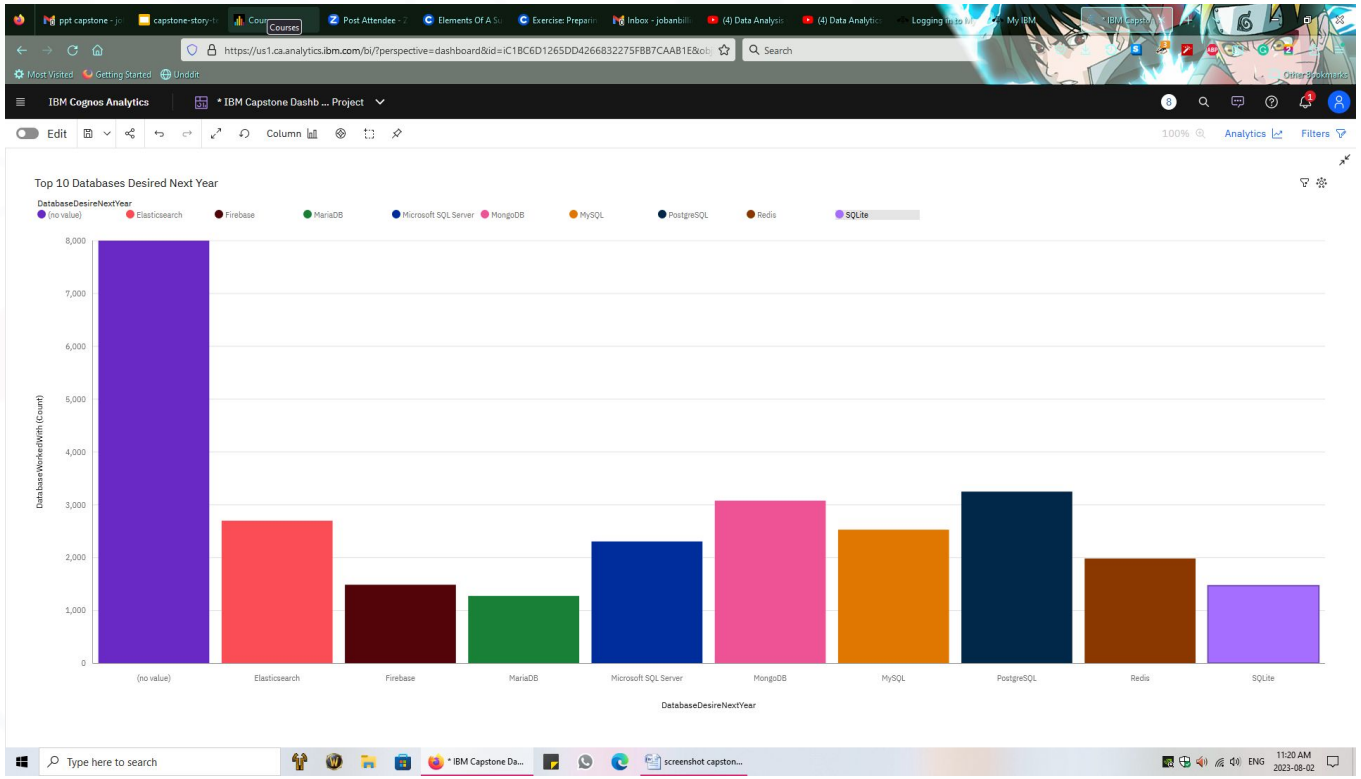
- C# will be the new trend so need to focus on that language from now
- Demand Powershell CLI will decrease as compared to now.

DATABASE TRENDS

Current Year



Next Year



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DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Mostly in demand database is MySql and demand of this is going to decrease in coming years.

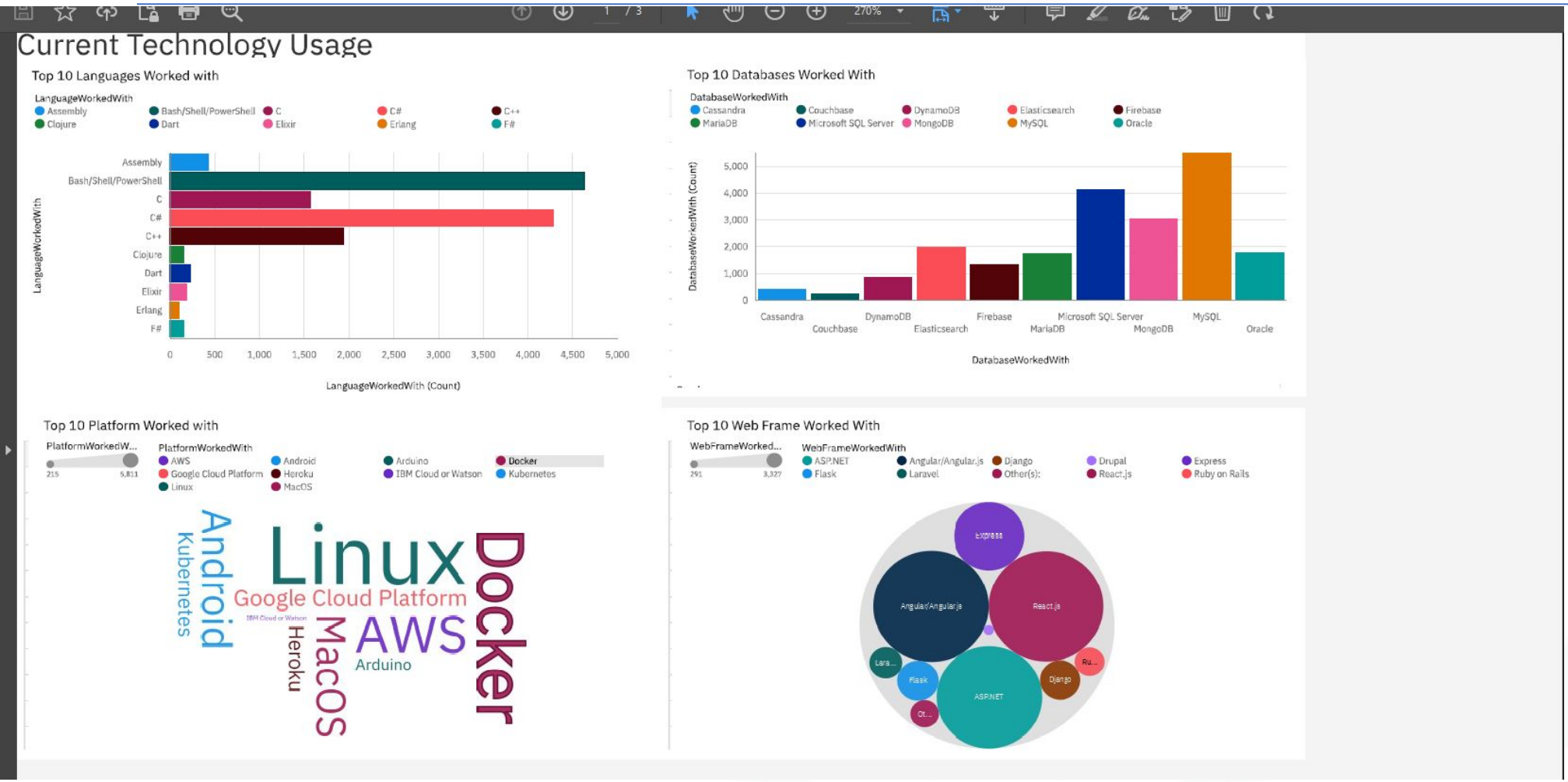
Implications

- Demand of new different databases going to be in trend.
- People are curious to use databases thats why new databases emerging every year.

DASHBOARD

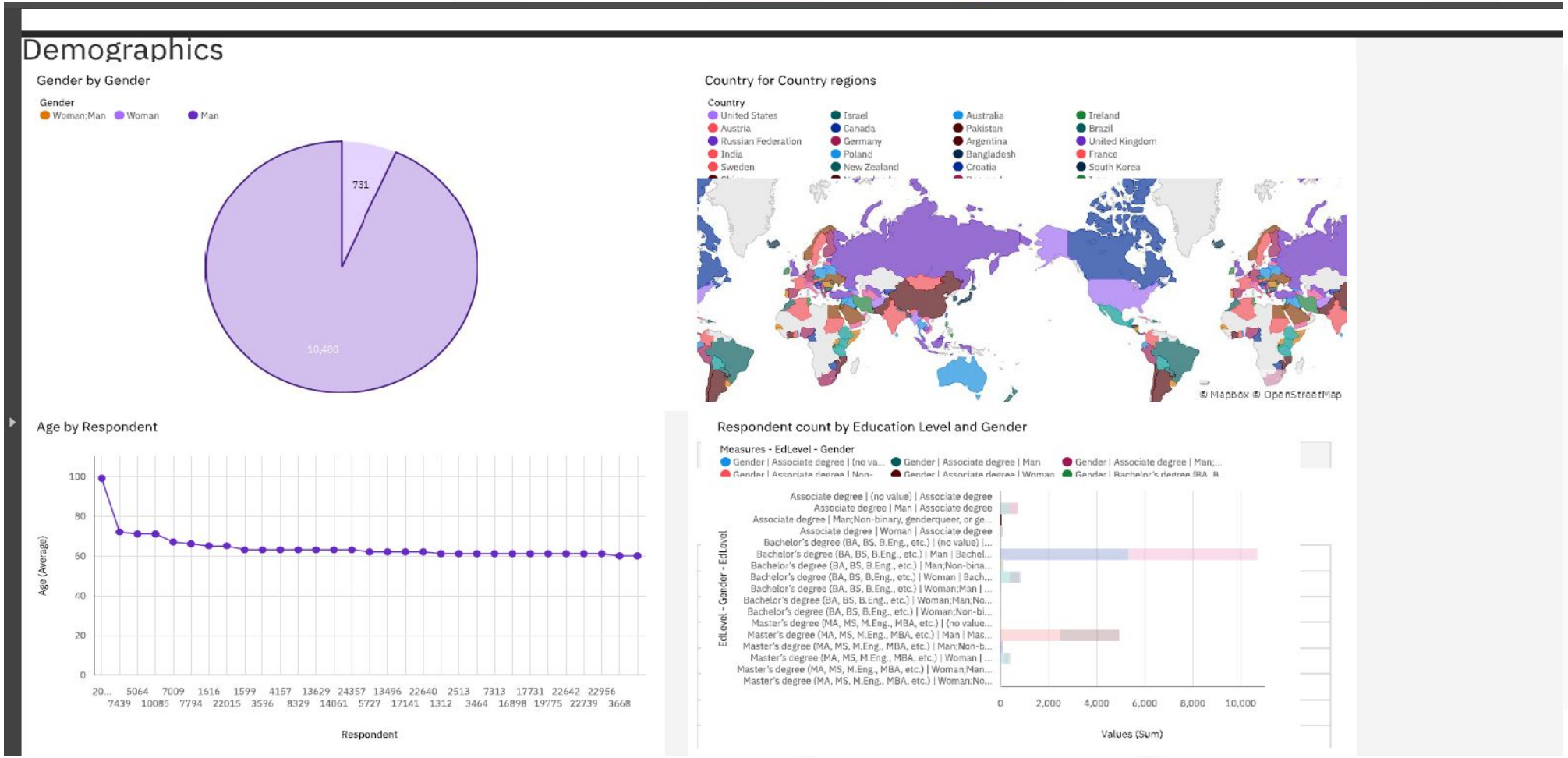
https://us1.ca.analytics.ibm.com/bi/?perspective=dashboard&pathRef=.my_folders%2FIBM%2BCapstone%2BDashboard%2BProject&action=view&mode=dashboard&subView=model00000189b236d8a9_00000000

DASHBOARD TAB 1



DASHBOARD TAB 2

DASHBOARD TAB 3



DISCUSSION

It is clearly showing that upcoming future will be more technological based instead of labour demand.The demand of programming language and database demand is never ending demand in future.As people need more softwares and AI to complete their task.

OVERALL FINDINGS & IMPLICATIONS

Findings

- The upcoming year will be more demand for programming languages and databases.

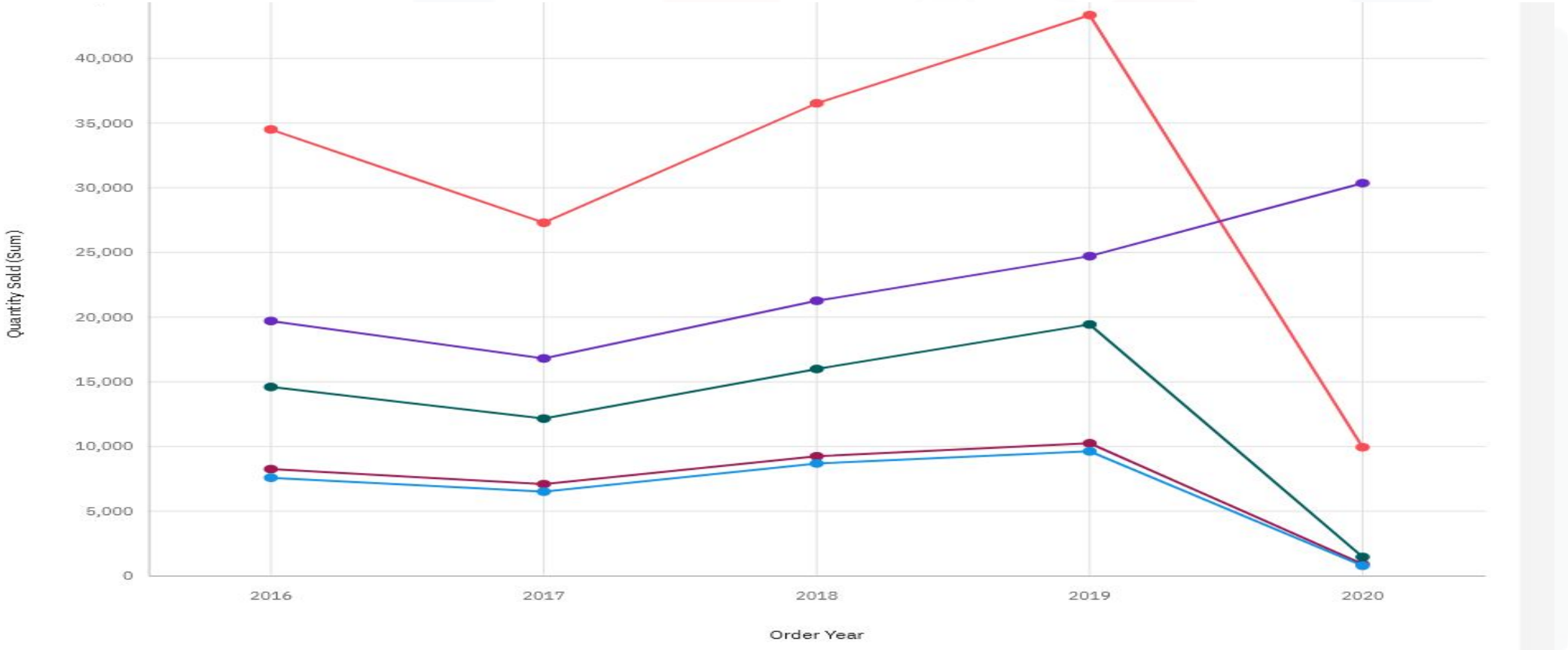
Implications

- Demand of programming languages and databases that are easy to learn and implement.

CONCLUSION

- Programming Languages are in demand
- Different databases are in demand.
- Platforms are in demand.

APPENDIX


40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Quantity Sold (Sum)
2016
2017
2018
2019
2020
Order Year