



The 2019 Stack Overflow Developer Survey Results

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OUTLINE



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EXECUTIVE SUMMARY



- Online survey of software professionals by stack overflow is examined
- Most popular language and DB: JAVA and MYSQL
- Most popular language and DB wanted to be learn next year: JAVA and PostgreSQL
- 95% Male and 5% Female
- Age group 25-30

INTRODUCTION



- Stack Overflow's annual Developer Survey is the largest and most comprehensive survey of people who code around the world
- Nearly 90,000 participant
- This analysis examines popularity of different languages and databases.
- Also age and gender of participants analyzed.

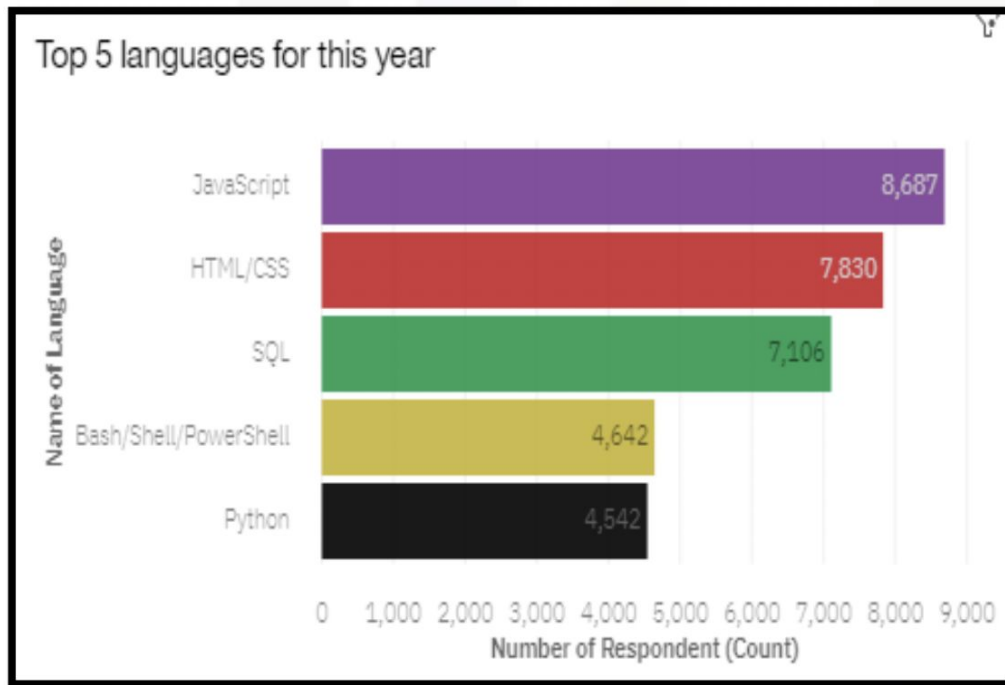
METHODOLOGY



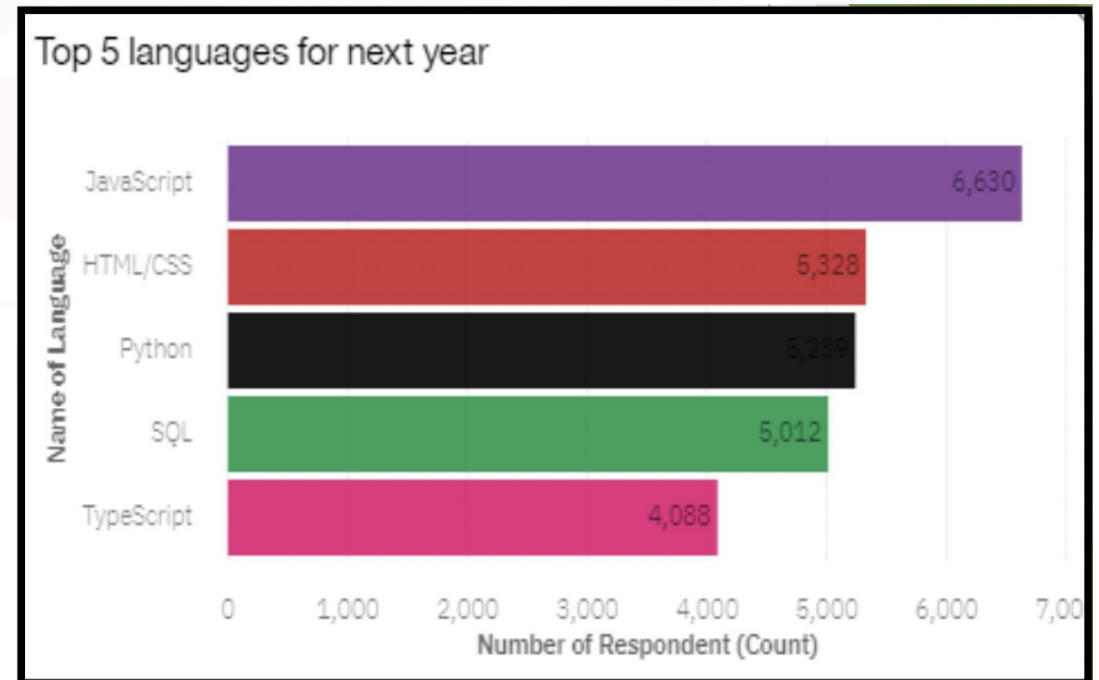
- Based on a survey of 88,883 software developers from 179 countries
- The dataset comes from the following sources
- The dataset used is a randomized subset contains around 1/10th of the original dataset and available as a .csv file [here](#).

PROGRAMMING LANGUAGE TRENDS

Current
Year



Next
Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Top 5 language: Java, HTML, SQL, BASH and Python
- Top 5 Language wanted to be learn: Java, HTML, SQL, Python and Typescript

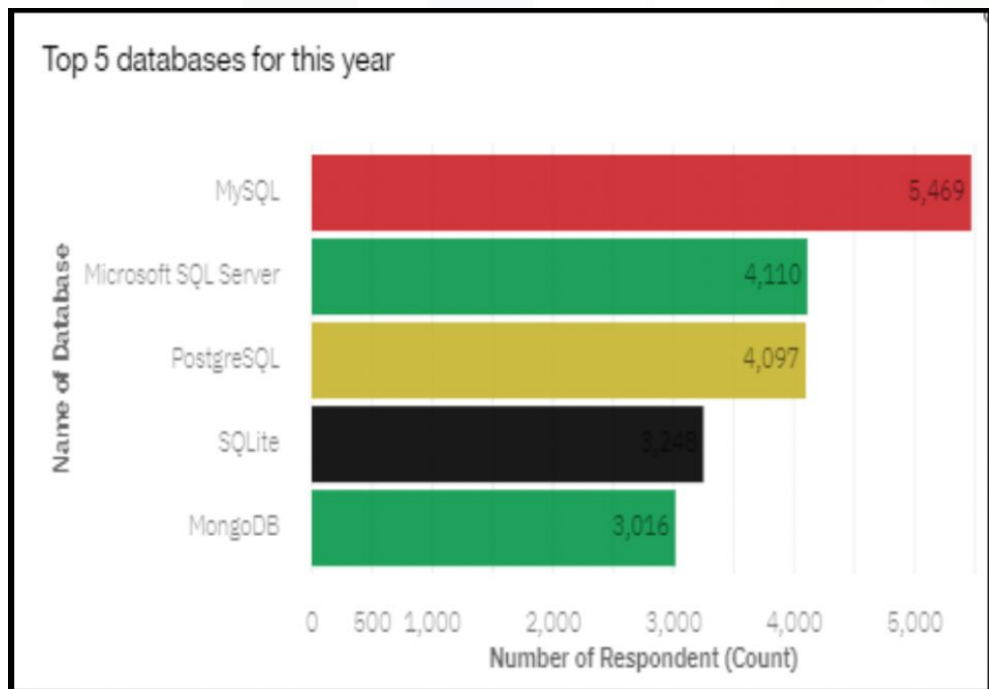
Implications

Most likely, next year:

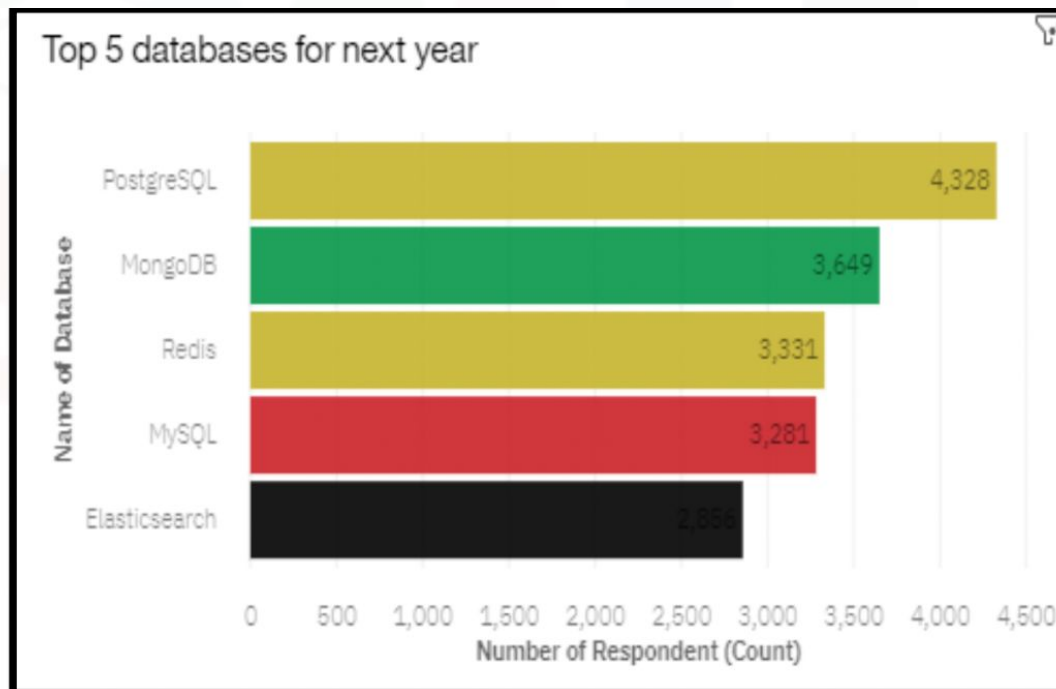
- Java will remain most popular
- Python will become more popular
- Bash will become less popular

DATABASE TRENDS

Current
Year



Next
Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Top 5 Database: MYSQL, MS SQL, PostgreSQL and MongoDB
- Top 5 Database wanted to be learn: PostgreSQL, MongoDB, Redis, MYSQL and Elasticsearch

Implications

- Most likely, next year:
- PostgreSQL will remain most popular
 - MongoDB will become more popular
 - MySQL will become less popular

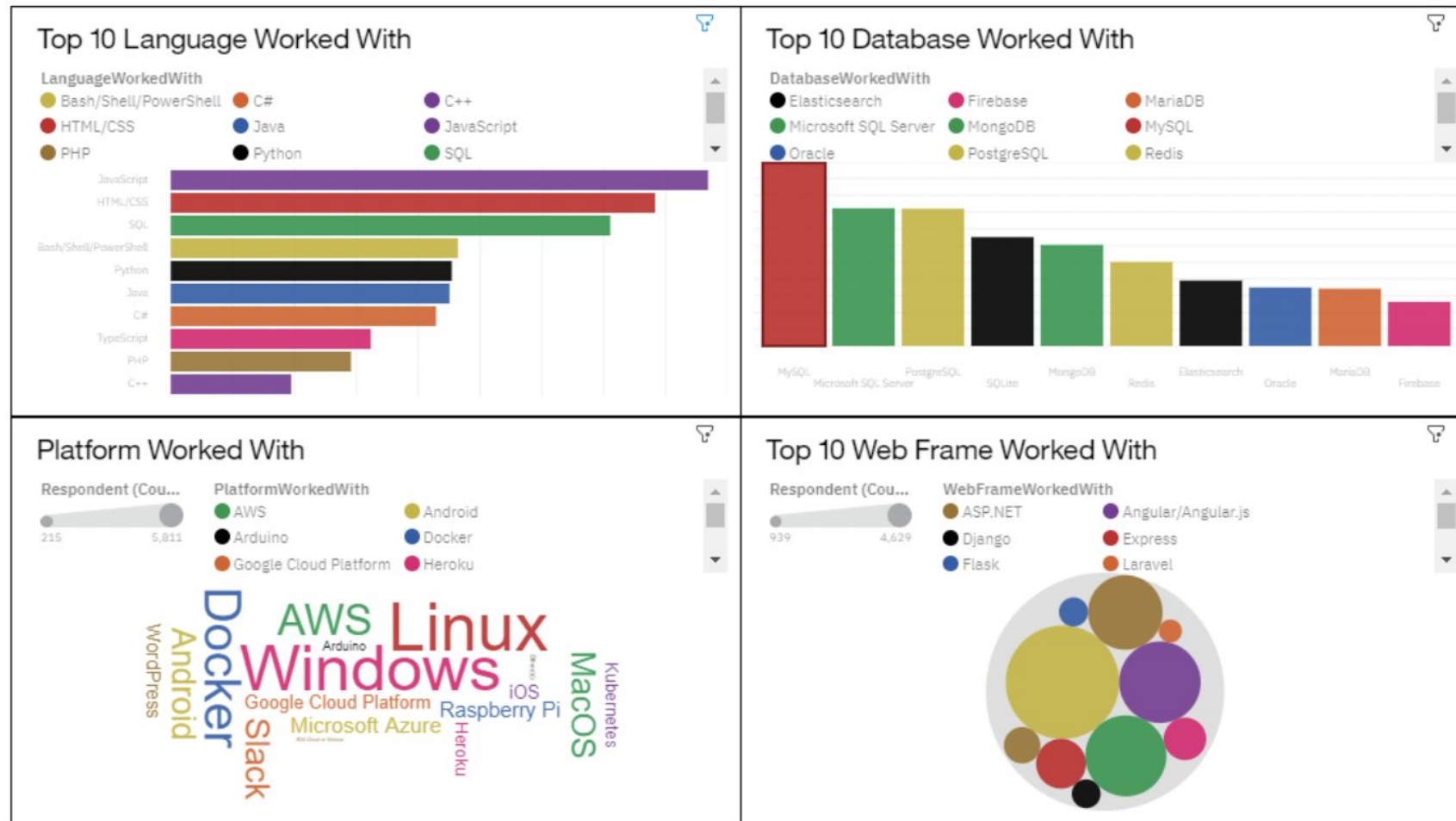
DASHBOARD

The Dashboard consists of three tabs:

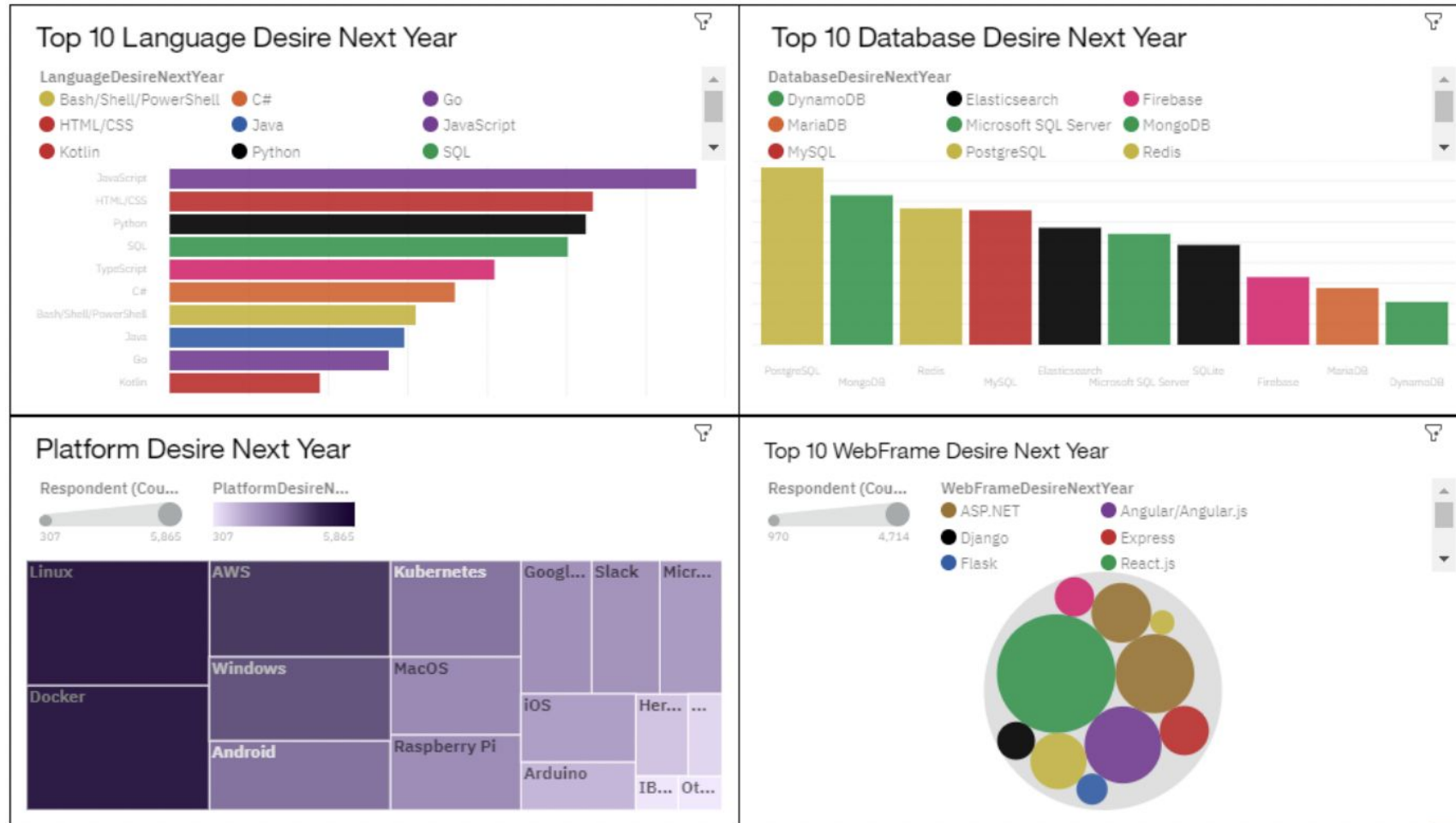


For viewing the dashboard please click [HERE](#)

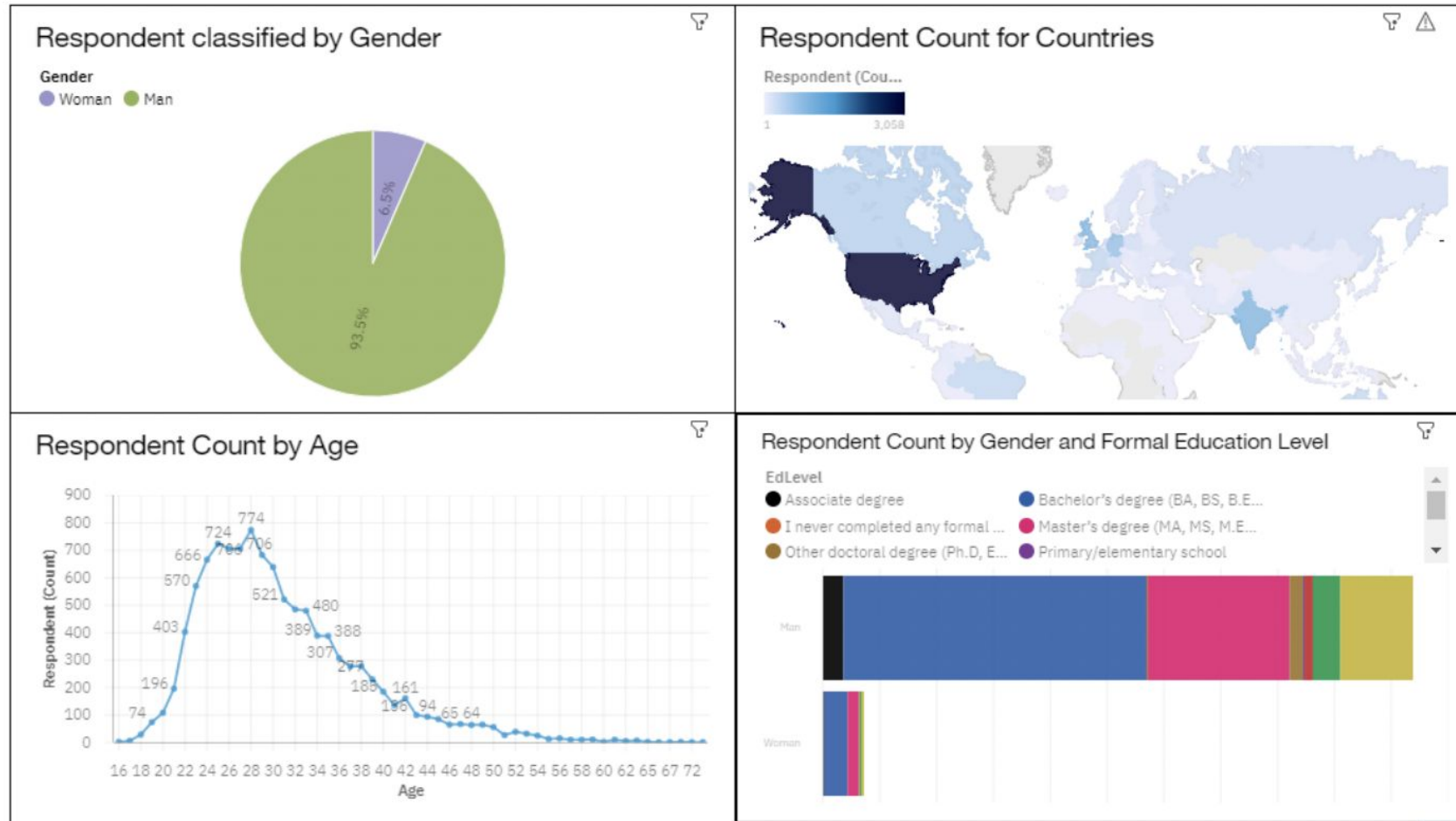
DASHBOARD TAB 1



DASHBOARD TAB 2



DASHBOARD TAB 3



DISCUSSION



- Is python become the most popular languages in near future?
- Future of MS SQL Server
- Why workplaces is male dominated?

OVERALL FINDINGS & IMPLICATIONS

Findings

- Most participant are male
- Java is and remain the most popular language for this and next year
- Linux continue to gain more share in the market

Implications

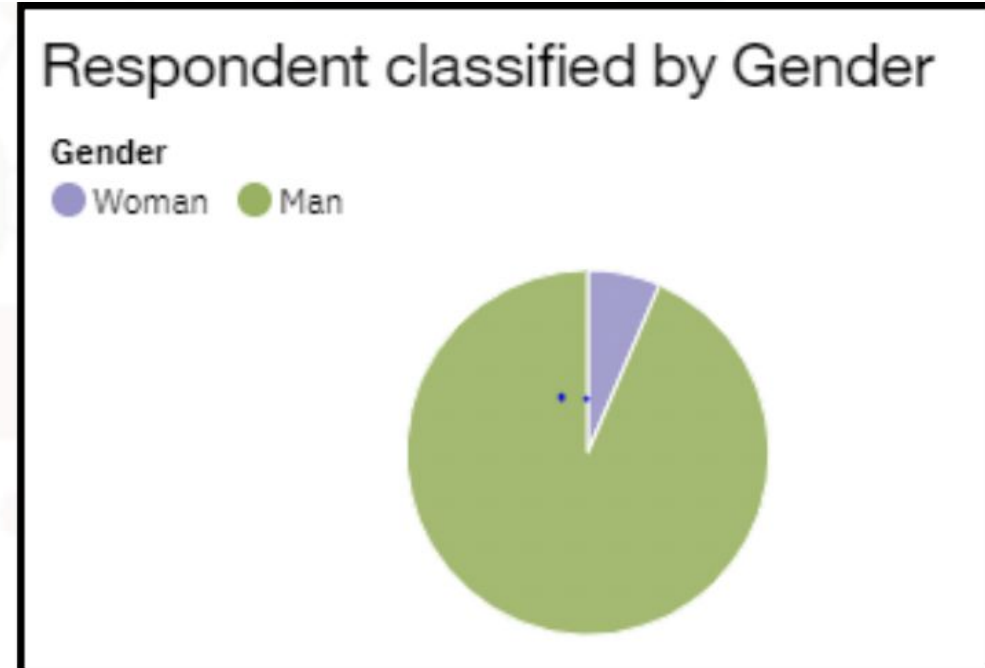
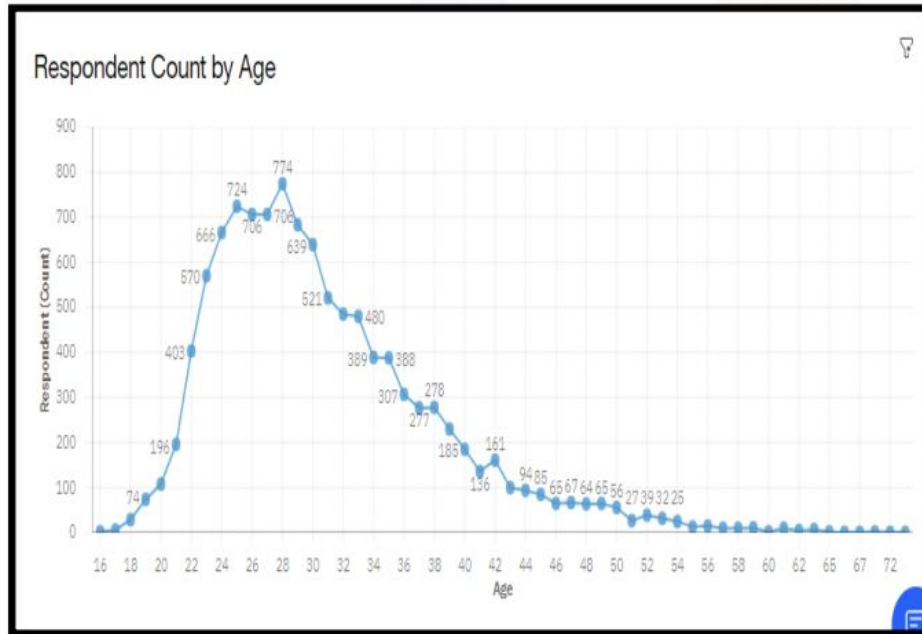
- PostgreSQL most likely will become the most popular DB in near future
- Python can be the rising star of languages

CONCLUSION

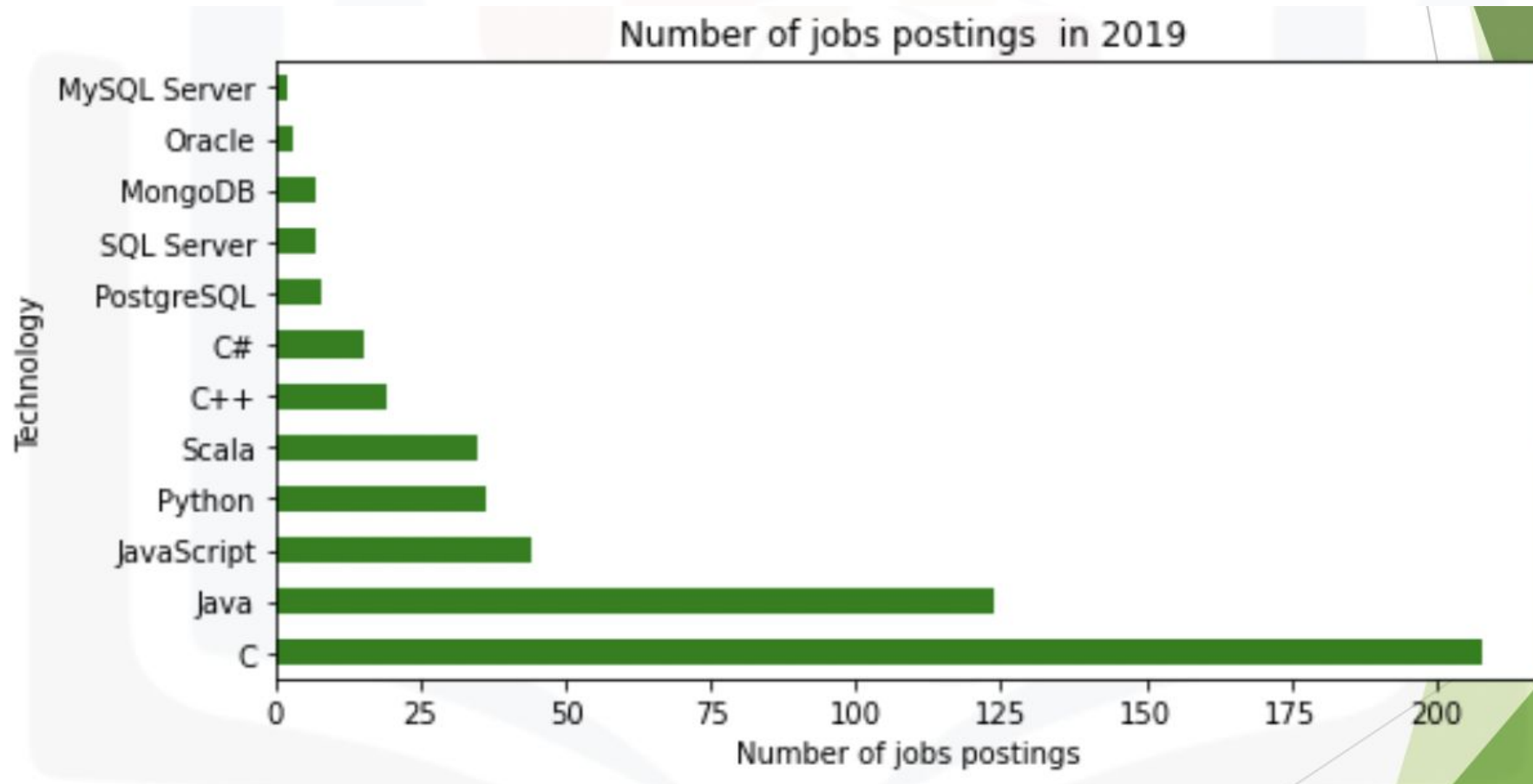


- SWIFT and Python programmer have higher salary
- The developer job market is dominated by males
- Age of workforces currently is between 25-30
- PostgreSQL become more popular next year

APPENDIX



GITHUB JOB POSTINGS



POPULAR LANGUAGES

