



# Technology Trends across Various Demography

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# OUTLINE

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

# EXECUTIVE SUMMARY

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- 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 learn next year: JAVA and PostgreSQL
- 95% Male and 5% Female
- Age group 25-30

# INTRODUCTION

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- 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

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Based on a survey of 88,883 software developers from 179 countries

The dataset comes from the following source:

Click [HERE](#) to see the source

The dataset used is a randomized subset contains around 1/10th of the original data set and available as a .csv file [here](#).

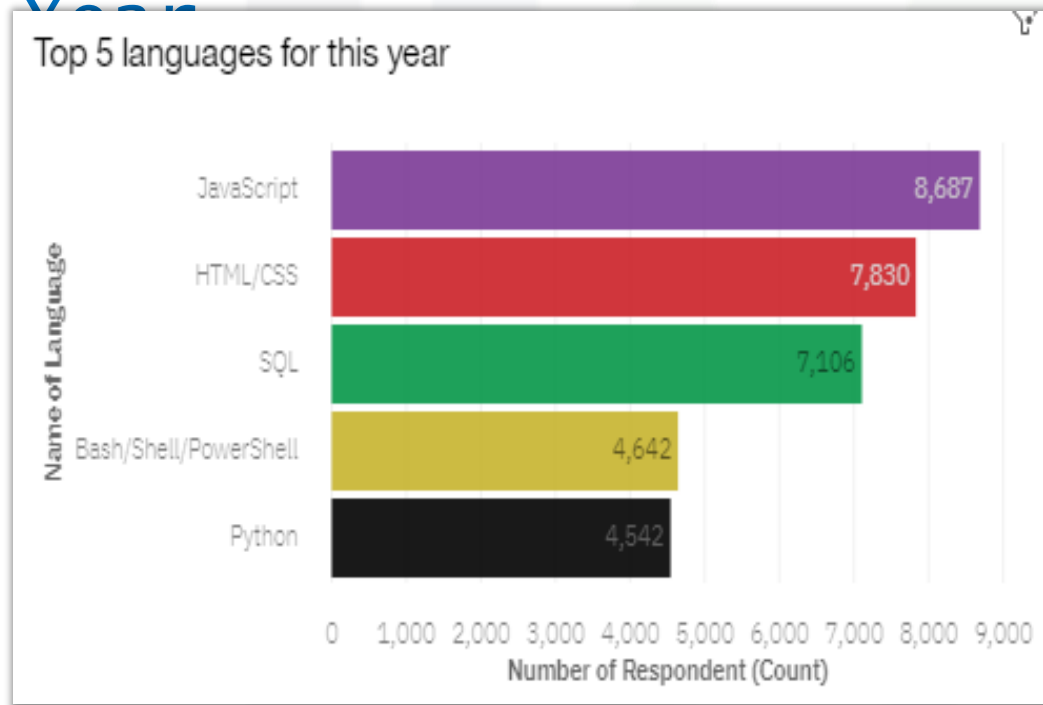
# RESULTS

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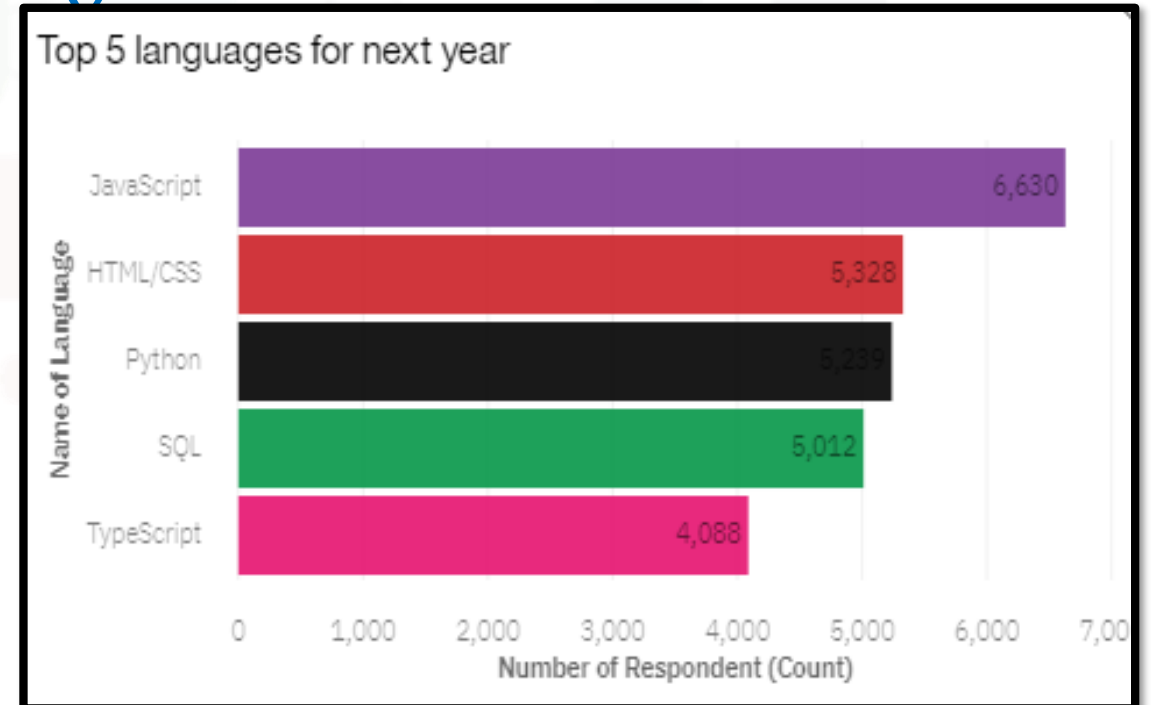


# PROGRAMMING LANGUAGE TRENDS

## Current Year



## Next Year



# PROGRAMMING LANGUAGE TRENDS – FINDINGS & IMPLICATIONS

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## Findings

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

## Implications

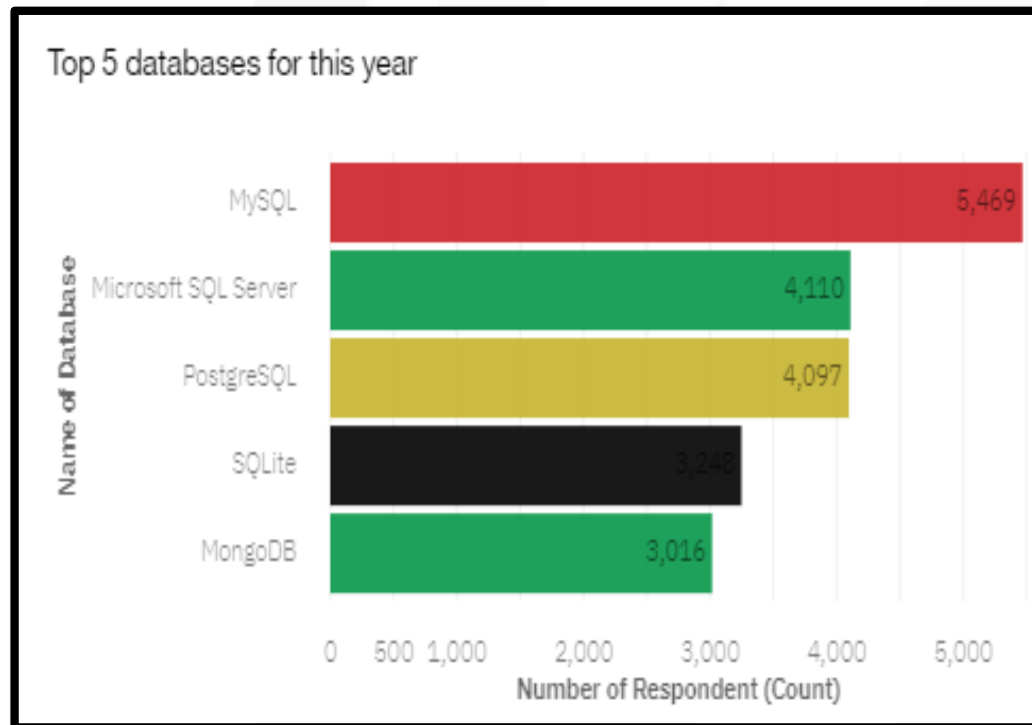
Most likely, next year:

- Java will remain the most popular language
- Python will become more popular
- Bash will become less popular next year

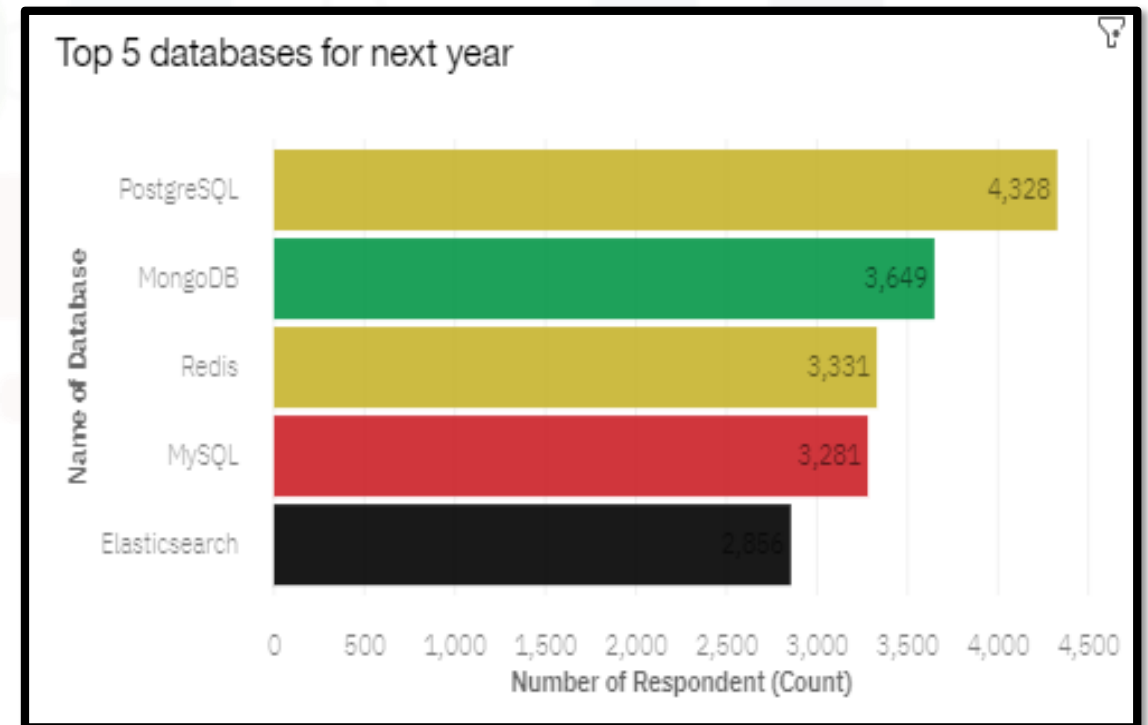


# DATABASE TRENDS

## Current



## Next



# DATABASE TRENDS – FINDINGS & IMPLICATIONS

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## Findings

- Top 5 DATABASE : MYSQL, MS SQL, PostgreSQL, SQLITE and MongoDB
- Top 5 DB wanted to learn : PostgreSQL, MongoDB, Redis, MYSQL and Elasticsearch

## Implications

- Most likely, next year:
- PostgreSQL will remain the most popular DB
- MongoDB will become more popular
- MS SQL will become less popular next year

# DASHBOARD

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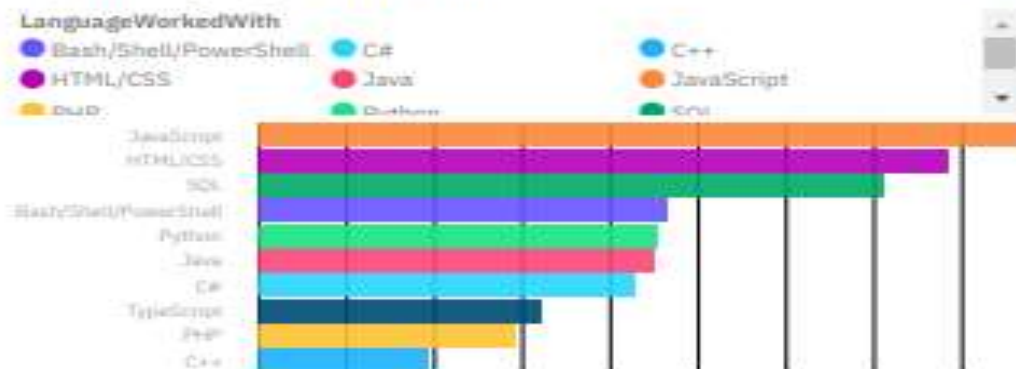


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# DASHBOARD TAB 1

## Current Technology Usage

## Top 10 LanguageWorkedWith



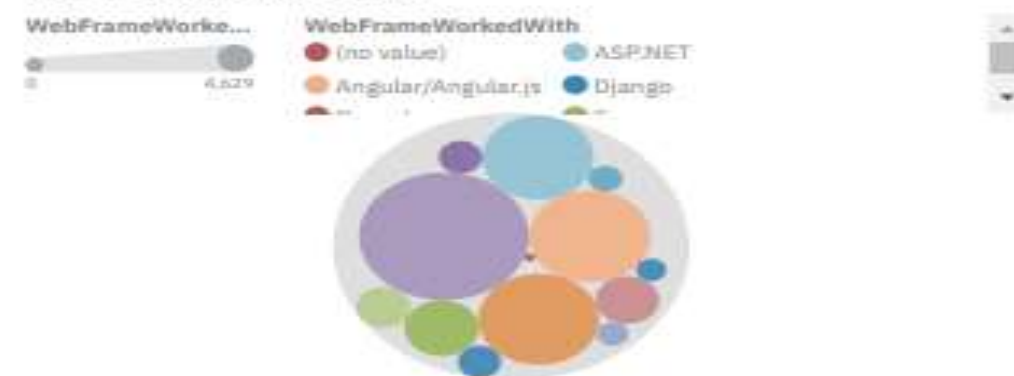
Platform Worked With



## Top 10 DatabaseWorkedWith



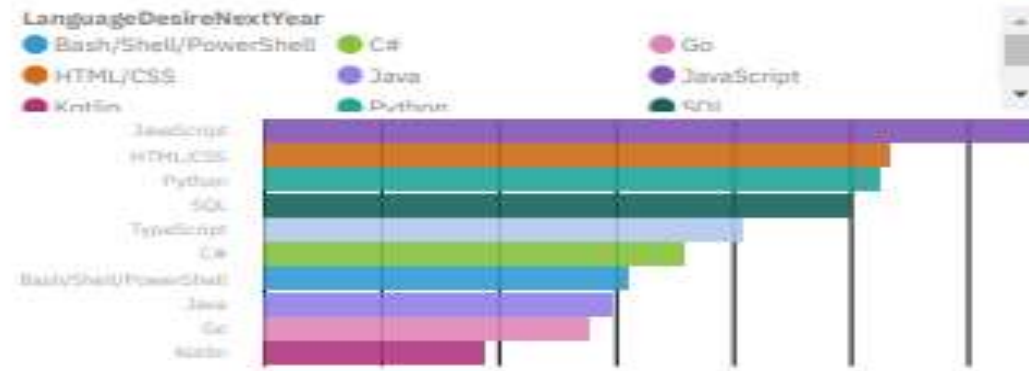
### Web Frame Worked With



# DASHBOARD TAB 2

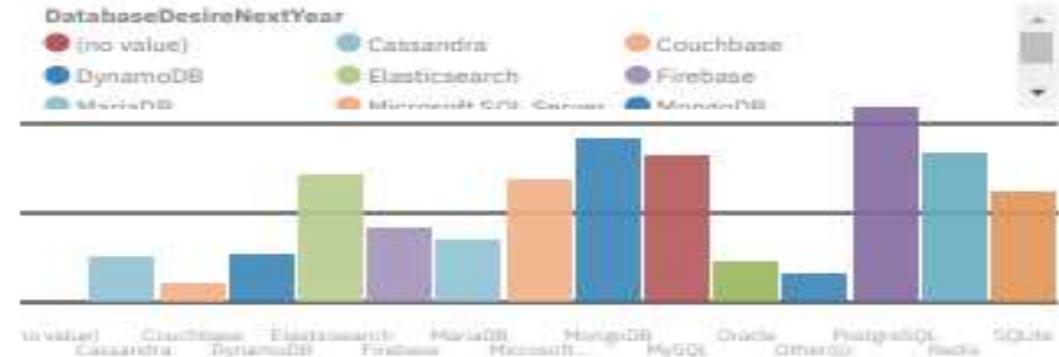
## Future Technology Trend

### Top 10 Language Desire Next Year



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### Top 10 Database Desire Next Year



### Platform Desire Next Year



### Web Frame Desire Next Year

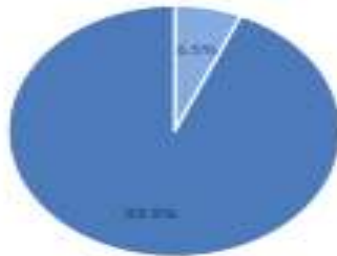


# DASHBOARD TAB 3

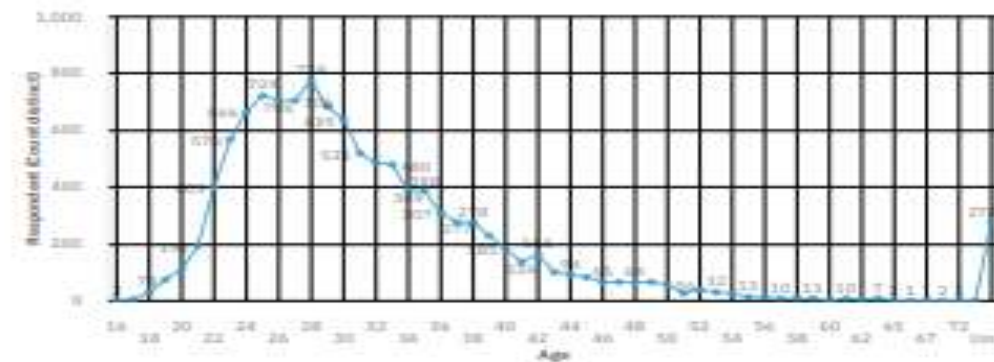
## Demographics

Respondent classified by Gender

Gender  
Woman Man



Respondent Count by Age



1 Respondent Count for Countries





# DISCUSSION

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

# OVERALL FINDINGS & IMPLICATIONS

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## Findings

- Most participant are male
- Java is and remain the most popular language for this year 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



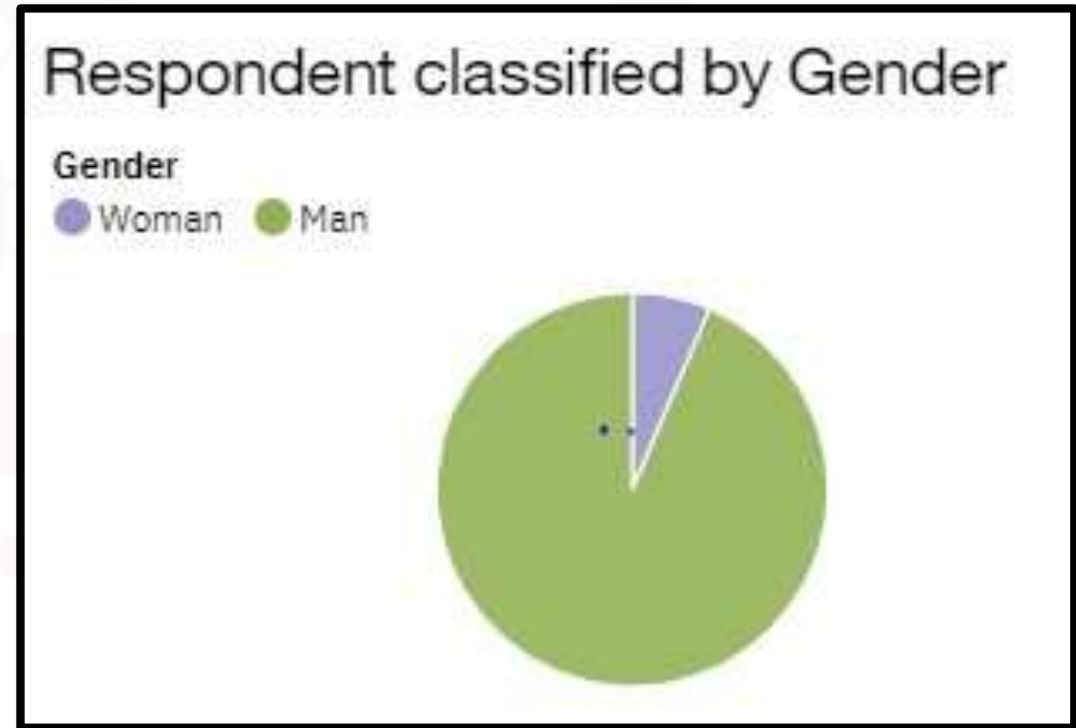
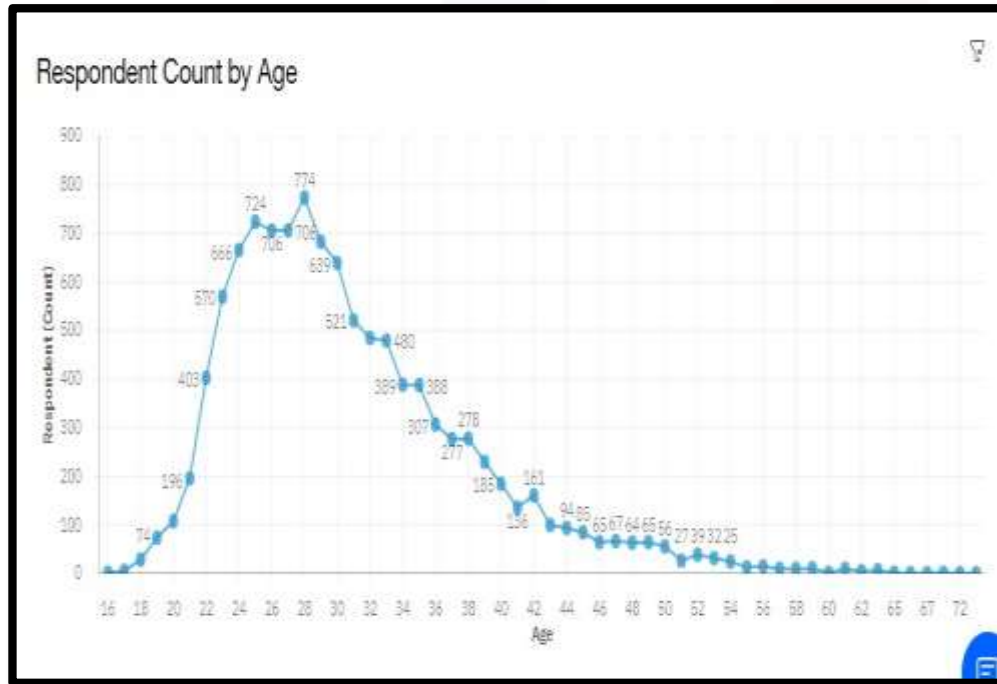
# CONCLUSION

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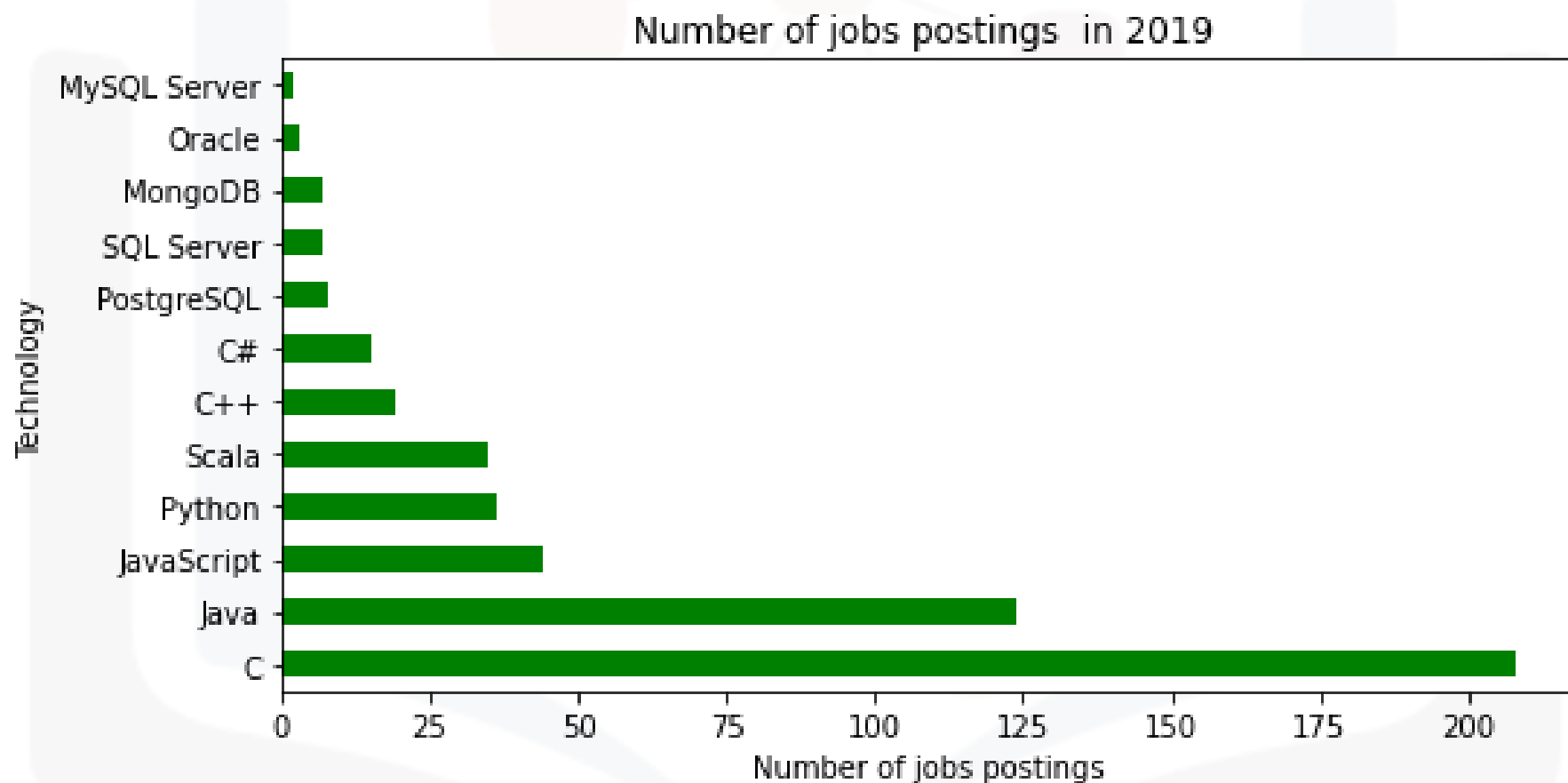


- SWIFT and Python programmer have higher salary
- The developer job market is dominated by males
- Age of workforces currently is between 25-30
- PostgreSQL become more popular next year

# APPENDIX



# GITHUB JOB POSTINGS



# POPULAR LANGUAGES

