



Programming Languages

Gal Shuler

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OUTLINE



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 - Dashboard
- Discussion
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EXECUTIVE SUMMARY



- People interested in languages are presented
- The desire of people who want to use languages is shown
- Which age is more interested in such languages
- People with which degree are interested in languages.
- Gender gap

INTRODUCTION



- This is important to focus on such languages and how they are valuable in the future.
- When we know about the age of users, we can predict their desires as well.
- The countries interested in such languages are shown in the following, which can help us know which country is more interested in them.
- This report is good for people who need to understand the changes in trend of the usage of programming languages.
- The gender gap between participants

METHODOLOGY



- Data Collection
- Data Cleaning
- Data Exploration
- Visualization
- Presentation

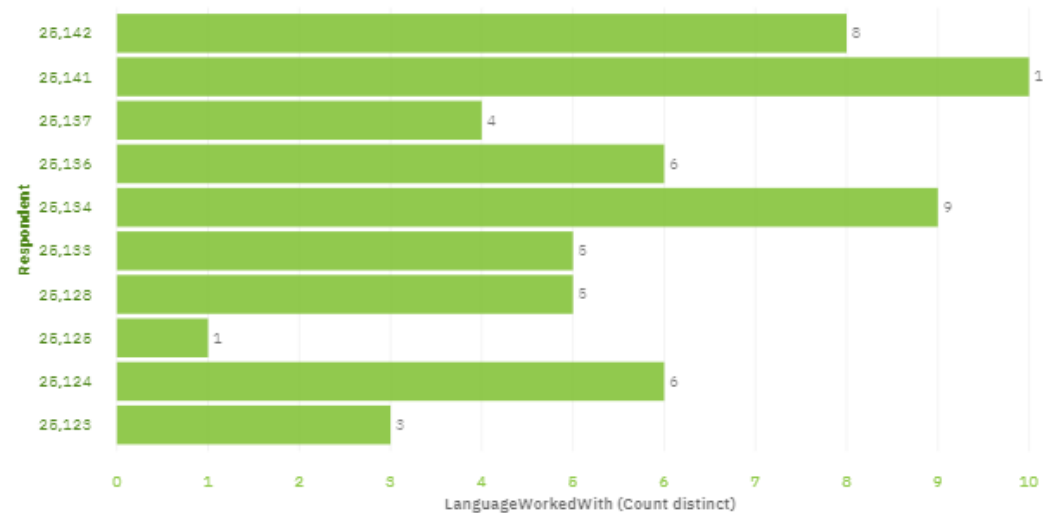
RESULTS

Almost all countries and people will use programming languages in the future.

PROGRAMMING LANGUAGE TRENDS

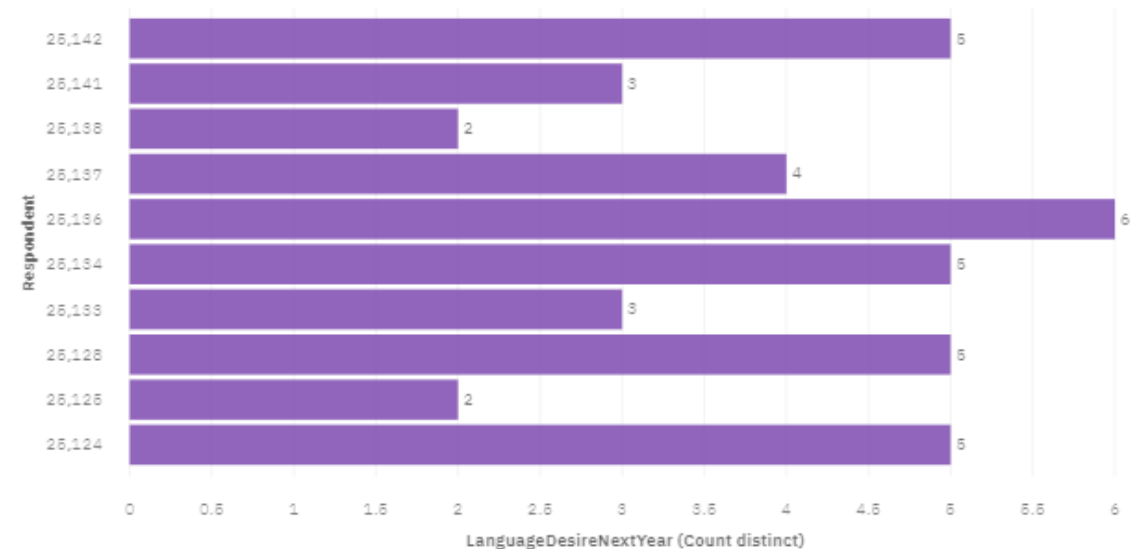
Current Year

Top 10 languages



Next Year

Top 10 Language next year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

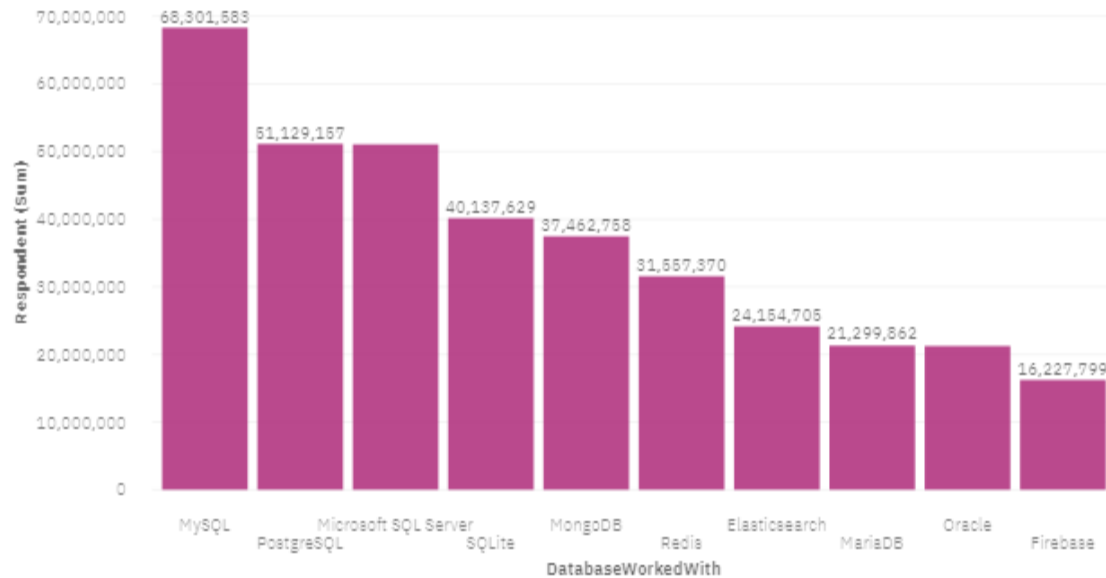
Findings Implications

- SQL has a higher number
- Redit has a lower number in the future
- Python is popular next year
- Typescript is important for people in the future
- People will use SQL more
- Redit will be used less
- People will use web-based programming languages
- Big Data is important for people

DATABASE TRENDS

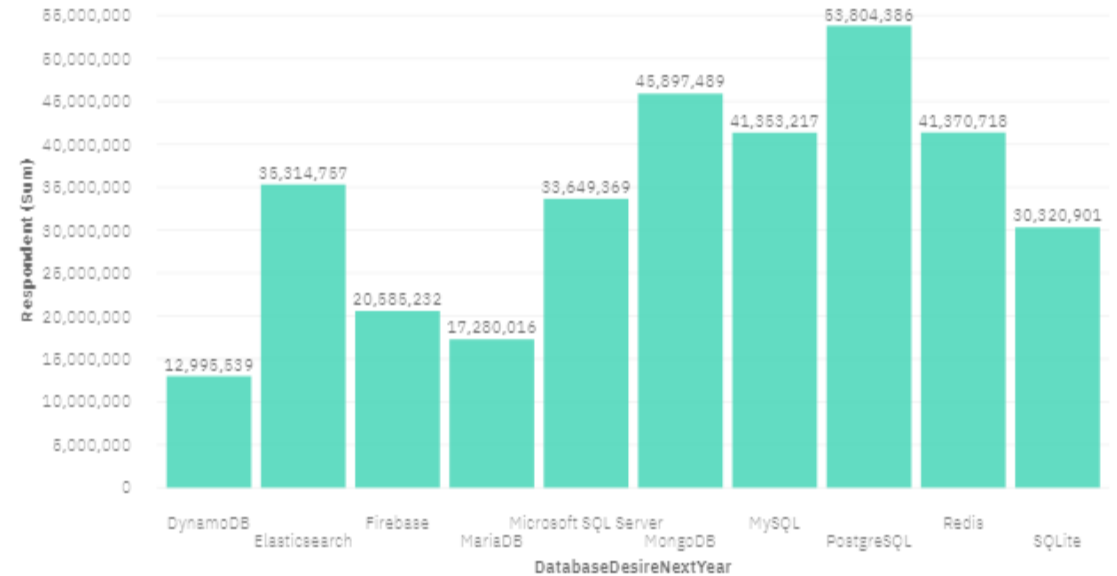
Current Year

Top 10 Database



Next Year

Top 10 Database next year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- Difference in Redia
- SQL-based ones will experience a jump
- HongoDB will be used less in the future
- MongoDB will be used more than before

Implications

- Less people will use Redia
- More people will use SQL
- MySQL will be replaced by PostgreSQL
- Oracle will not be used in the future

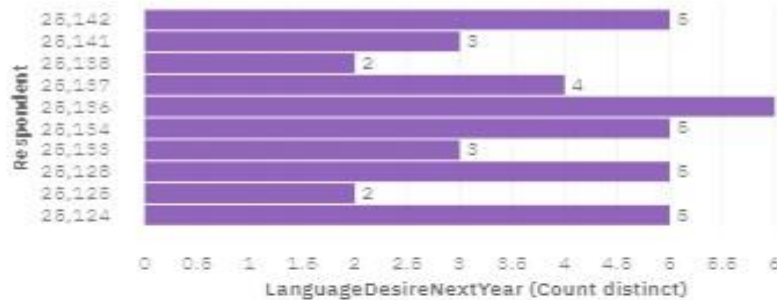
DASHBOARD



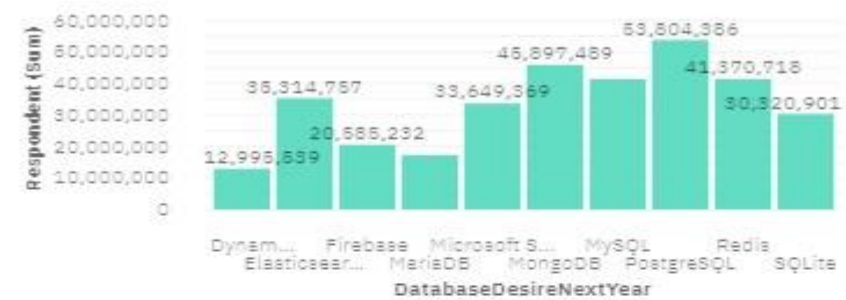
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DASHBOARD TAB 1

Top 10 Language next year



Top 10 Database next year



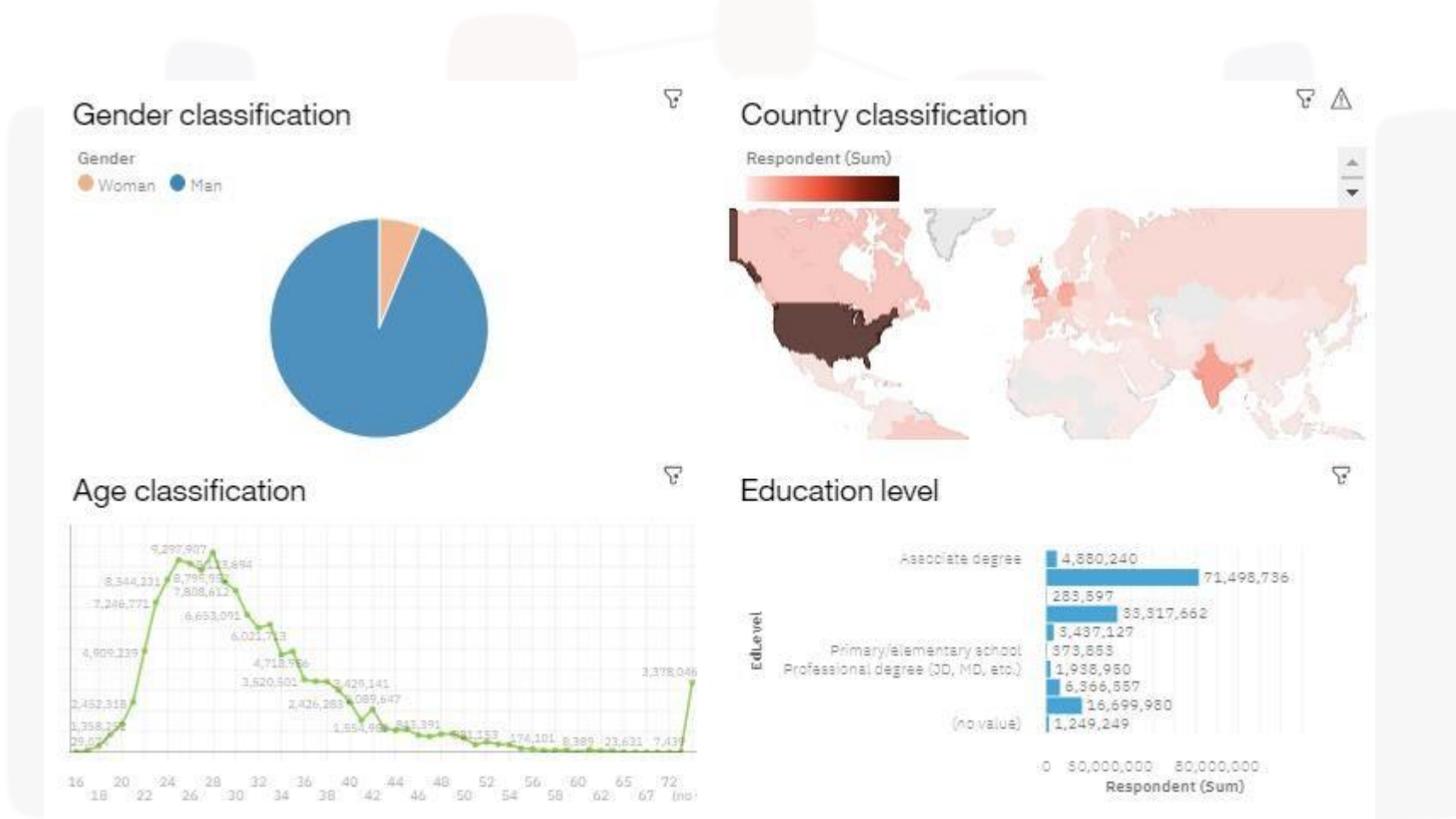
Platform Desired Next Year



Webframe desired next year

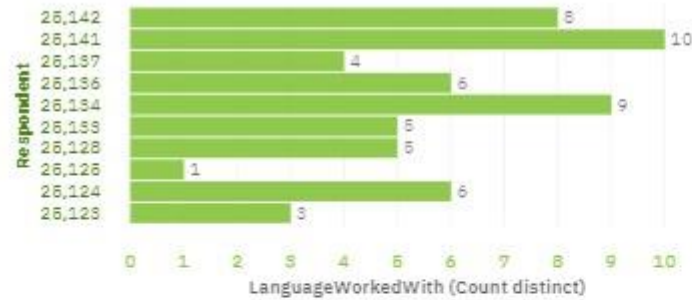


DASHBOARD TAB 2

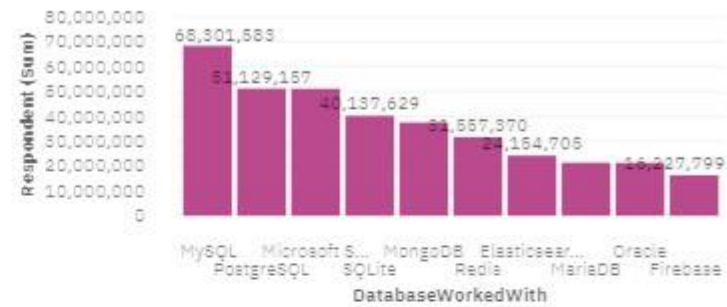


DASHBOARD TAB 3

Top 10 languages



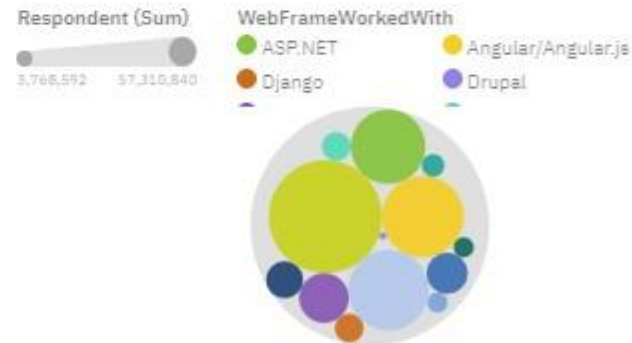
Top 10 Database



Platforms



Webframe worked



DISCUSSION



- Thanks to the data and graphs, we can further research the usage of programming languages useful in data science in the future.
- Gender should be balanced in the future
- Regarding possible discrimination in education and employment, they should be avoided
- Workers should be trained in favor of these languages

OVERALL FINDINGS & IMPLICATIONS

Findings

- SQL will be used higher
- Redia will be used less
- Those with a bachelor's degree are more interested in languages.
- Gender gap exists in such jobs
- SQL-based ones are popular in the future

Implications

- SQL is better in the future
- Redia cannot be helpful in the future
- People should improve their knowledge of programming to have more chances for finding a job
- Cloud-based ones are more popular in the future
- Companies should be adjustable regarding these changes in work environments

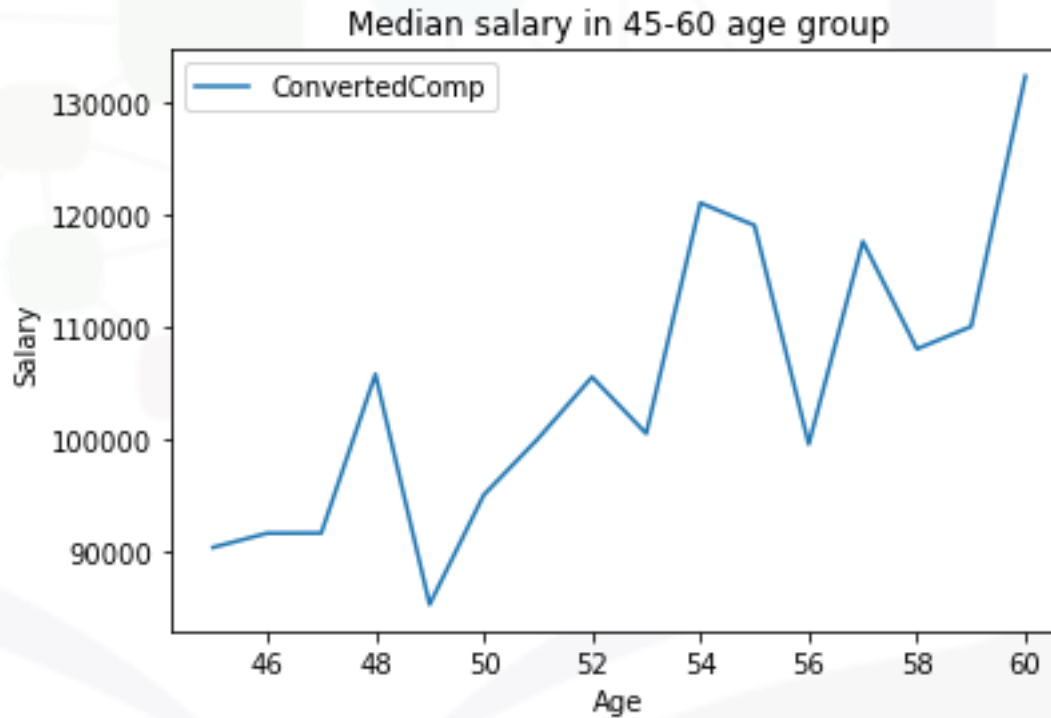
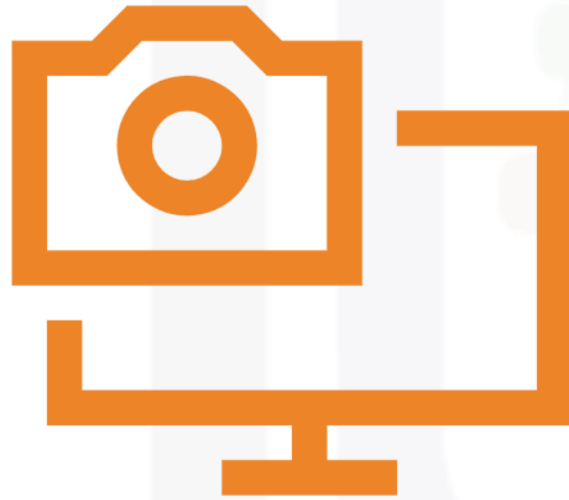
CONCLUSION



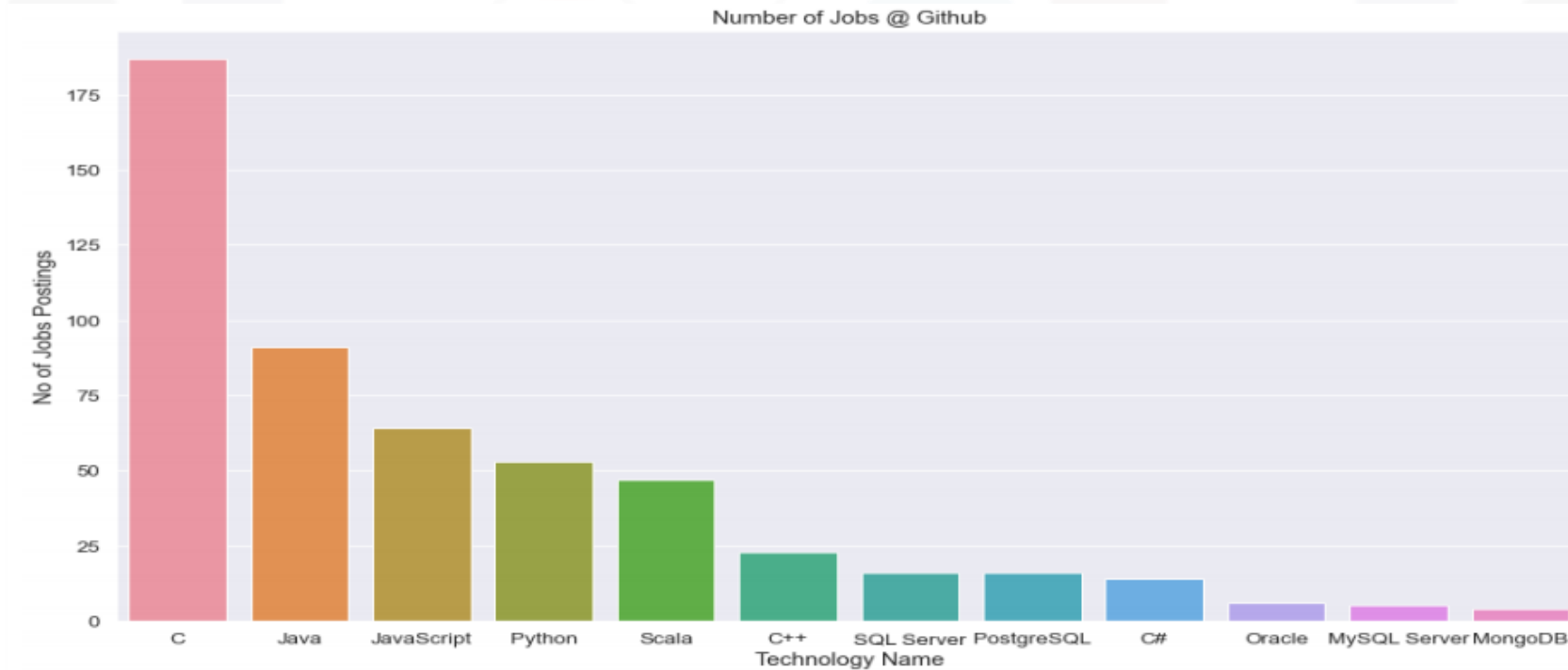
- Programming languages in data science will be used more in the future
- SQL will help people in the future
- Gender gap exists
- People should take steps to change some discriminations
- There are different trends for databases and programming languages in this year and the next year

APPENDIX

- Salaries people 45 – 60 may gain



GITHUB JOB POSTINGS



POPULAR LANGUAGES

