TECHNOLOGY TRENDS PRESENTATION

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OUTLINE

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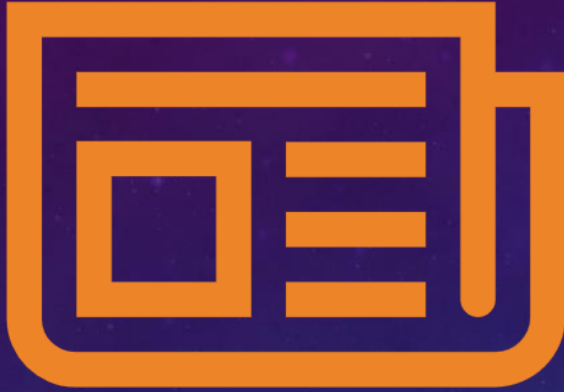- **Appendix**

EXECUTIVE SUMMARY

- **Current Technology Usage**
  - **Top 10 Language worked with.**
  - **Top 10 Databases worked with.**
  - **Platforms worked with.**
- **Future Technology Trends**
  - **Top 10 Languages will Be Desired Next year.**
  - **Top 10 Databases will be Desired Next year.**
- **Demographics**
  - **Gender Gap in Technology Jobs**

INTRODUCTION

- Technology market changes every year we will analyze the trends in the technology market.
- We will identify the requirement skills needed for the Technology market in the next few years.
- We will show the most using platforms, databases and programming languages.
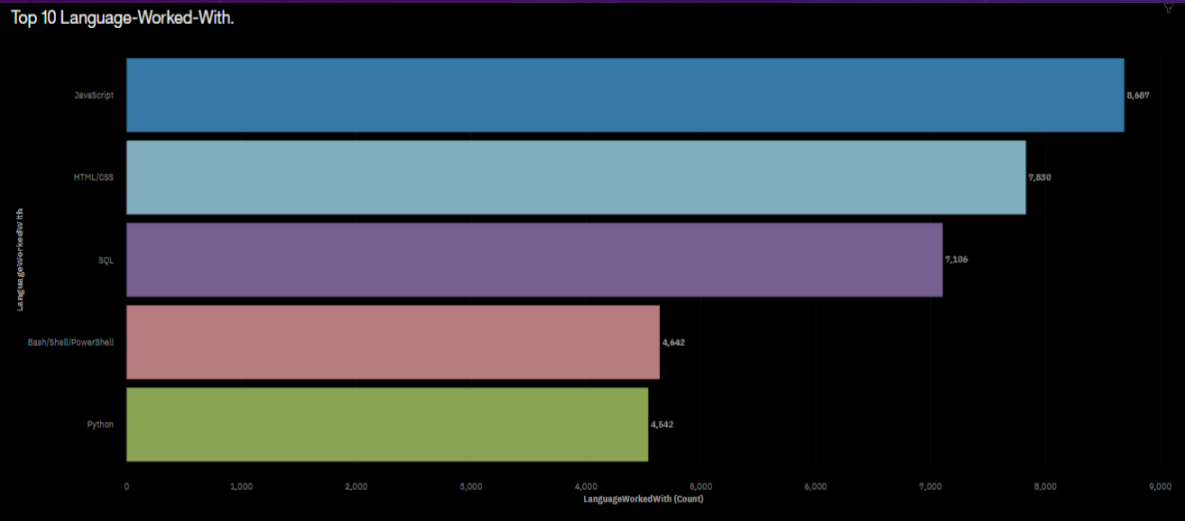- We will discuss the gender gap in job market.

METHODOLOGY

- **The Data used in the presentation is from Stack Overflow Developer Survey 2019.**

- **Data exploration to know the distribution and outliers.**

- **Data Cleaning.**

- **Data Analysis to know the relationship between our data features.**

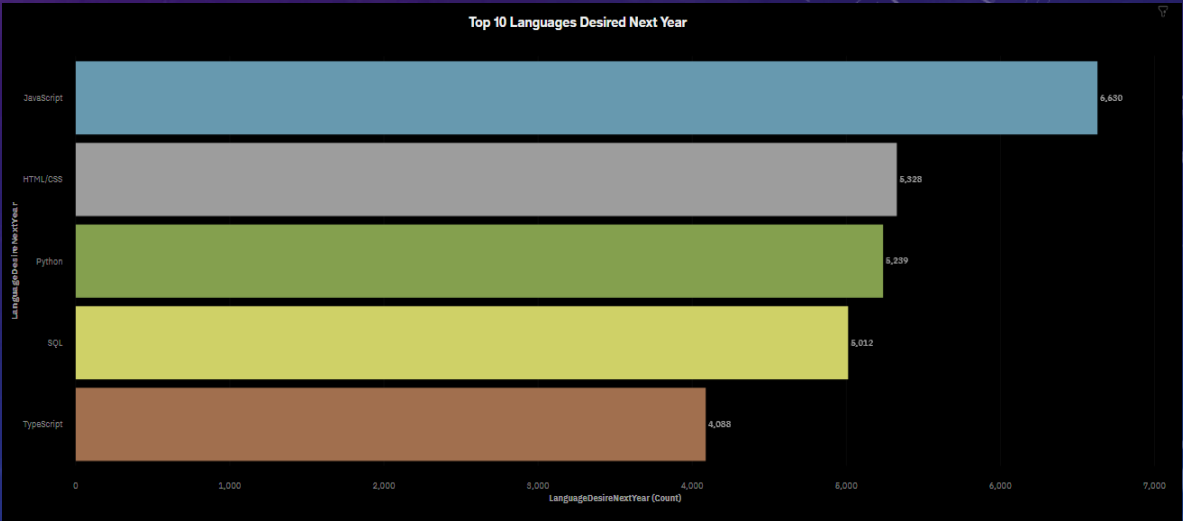- **Data Visualization.**

RESULTS

➢ **In this Section we will discuss our data analysis results by using charts and explaining every chart.**

PROGRAMMING LANGUAGE TRENDS

Current Year

Next Year

PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

JavaScript & HTML/CSS are top programming languages for both current and future year.
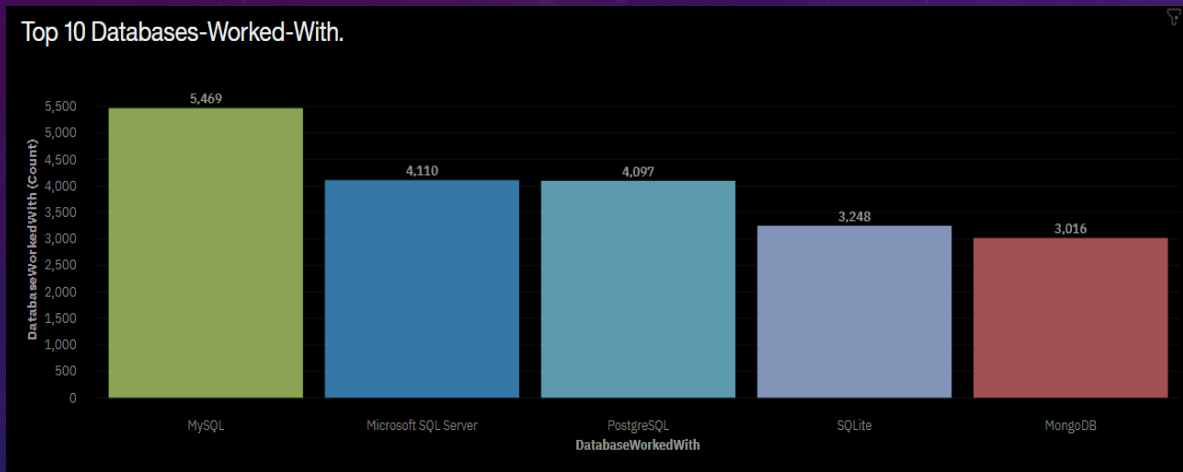
- *JavaScript & HTML/CSS will still be required Skill for the technology job market.*

Python have gained more interest in the market, however, interest in SQL has Decreased.
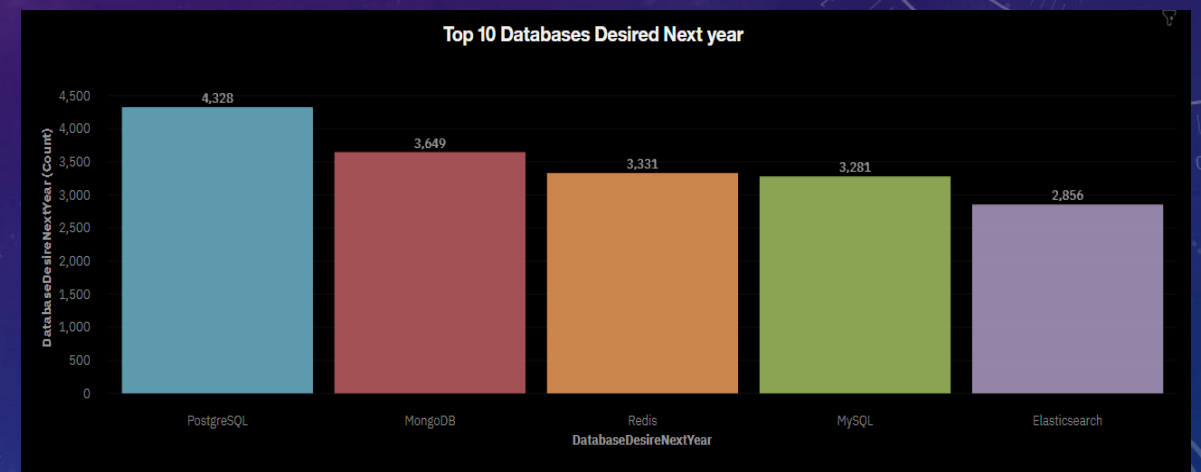
- *It's beneficial for the job seeker to learn python than to learn SQL.*

DATABASE TRENDS

Current Year

Next Year

Top 10 Databases-Worked-With.

Top 10 Databases Desired Next year

DATABASE TRENDS - FINDINGS & IMPLICATIONS

Interest in MySQL and Microsoft SQL server and SQLite has decreased for next year.

- *Open source databases become **more and more popular** and preferable than **commercial** ones.*

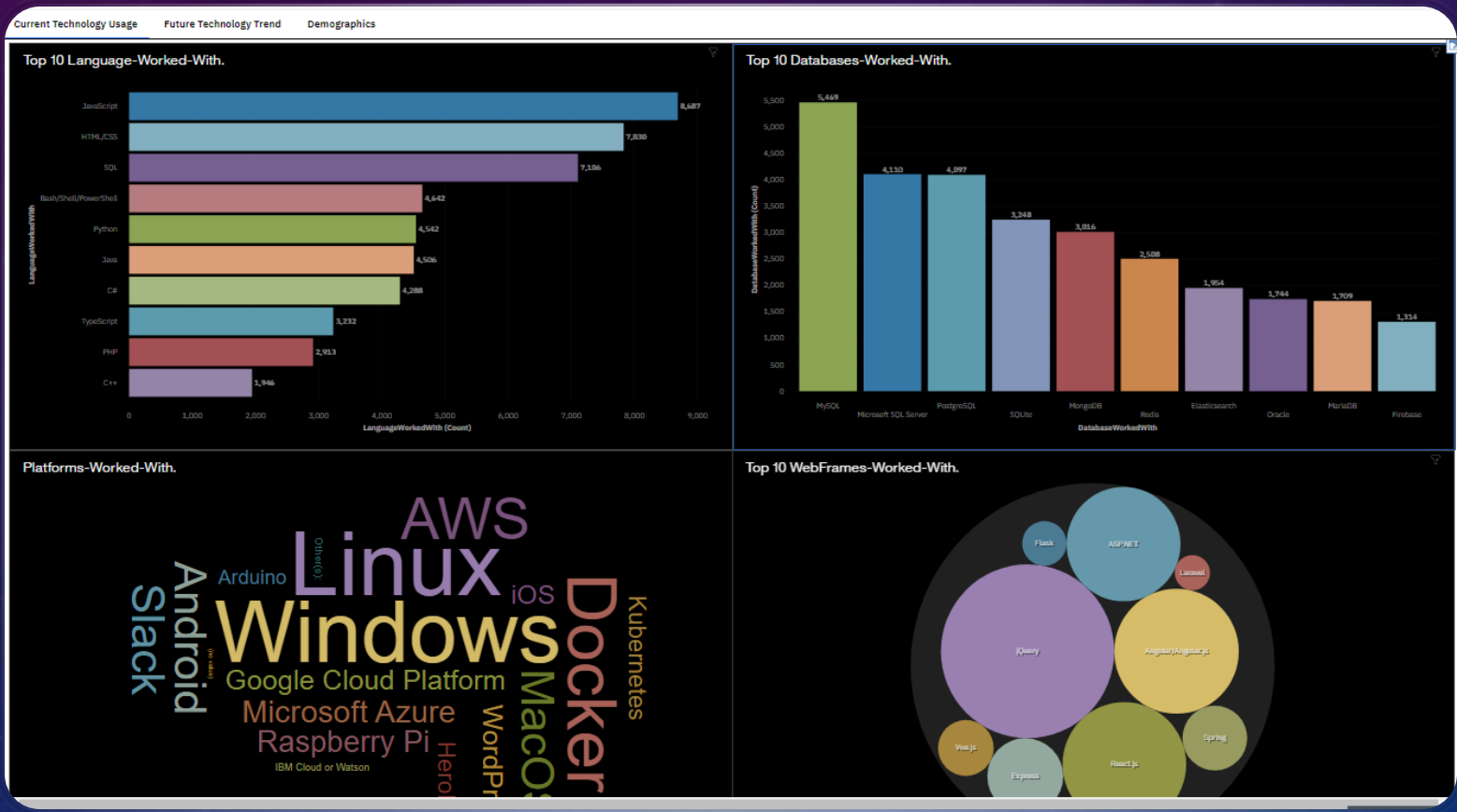**Oracle** leaves the list of **top** databases.

- ***Non-relational database see increasingly usage in the future.***
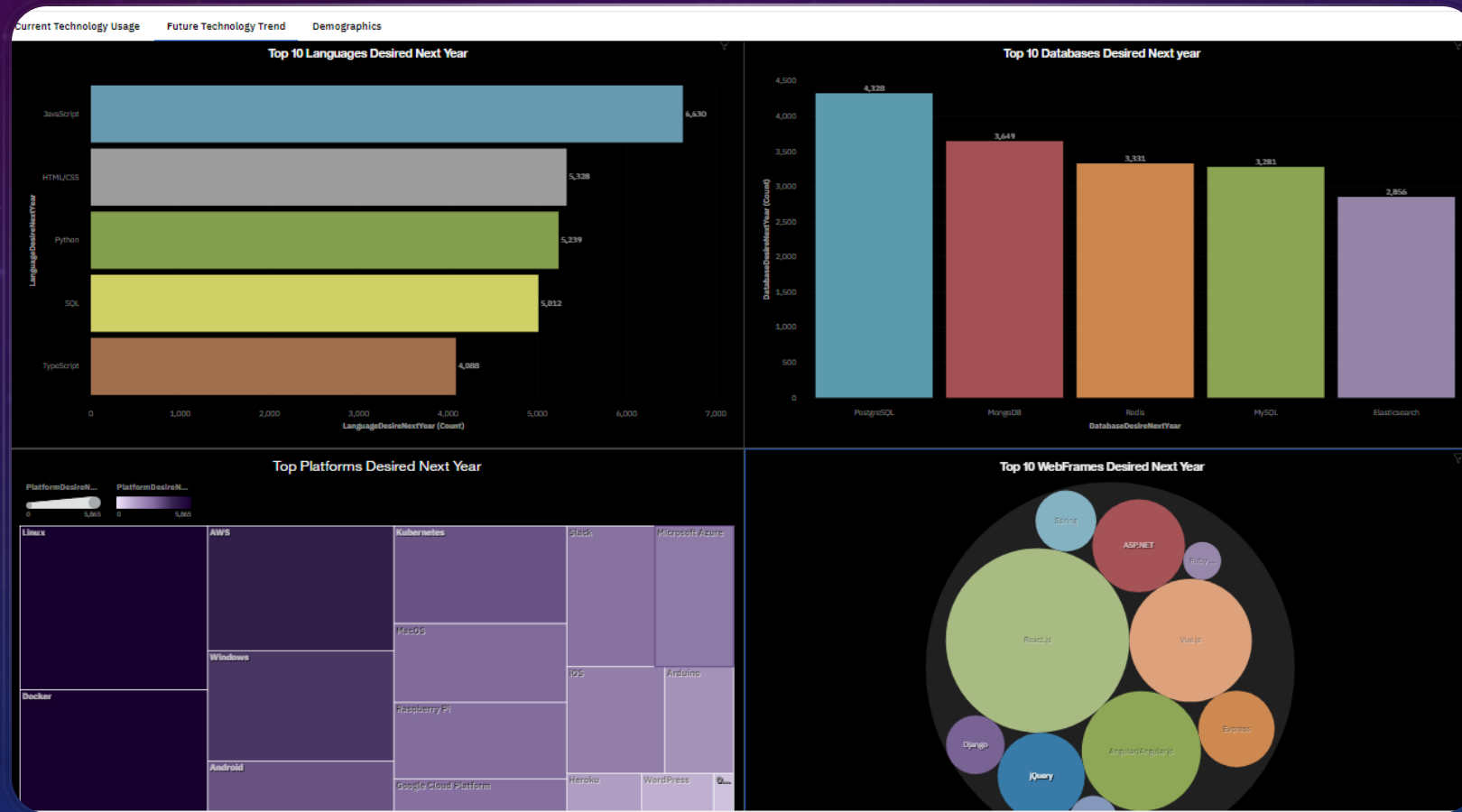
DASHBOARD

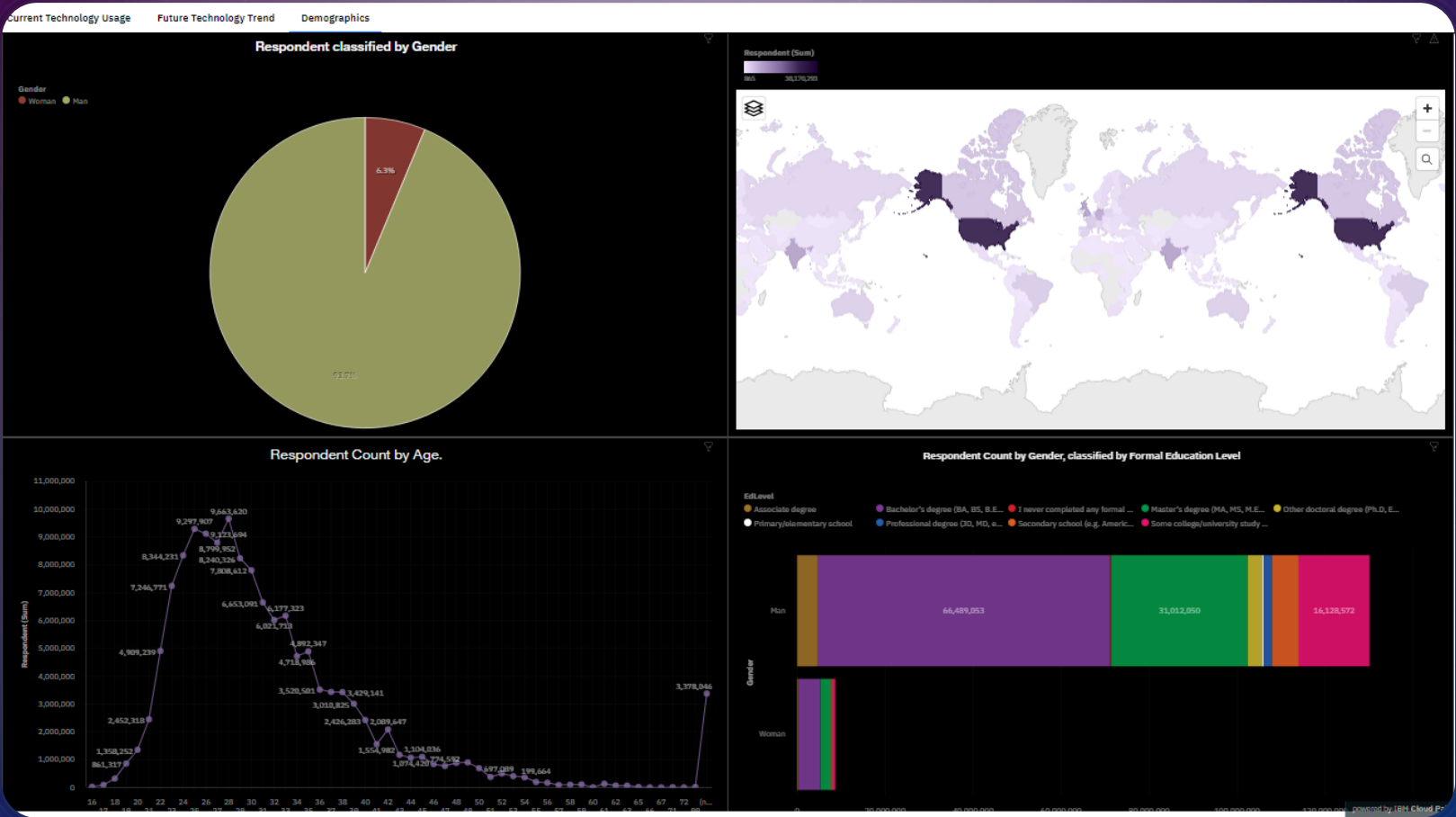**To see the full Dashboard:** [Click here](#)

DASHBOARD TAB 1

DASHBOARD TAB 2

DASHBOARD TAB 3

DISCUSSION

OVERALL FINDINGS & IMPLICATIONS

Fast changing Job Market.

Gender Gap in Tech Jobs.

JavaScript & HTML are Most required Skills.

Open Source Databases are the most preferable.

Companies should adjust to the rapid changes.

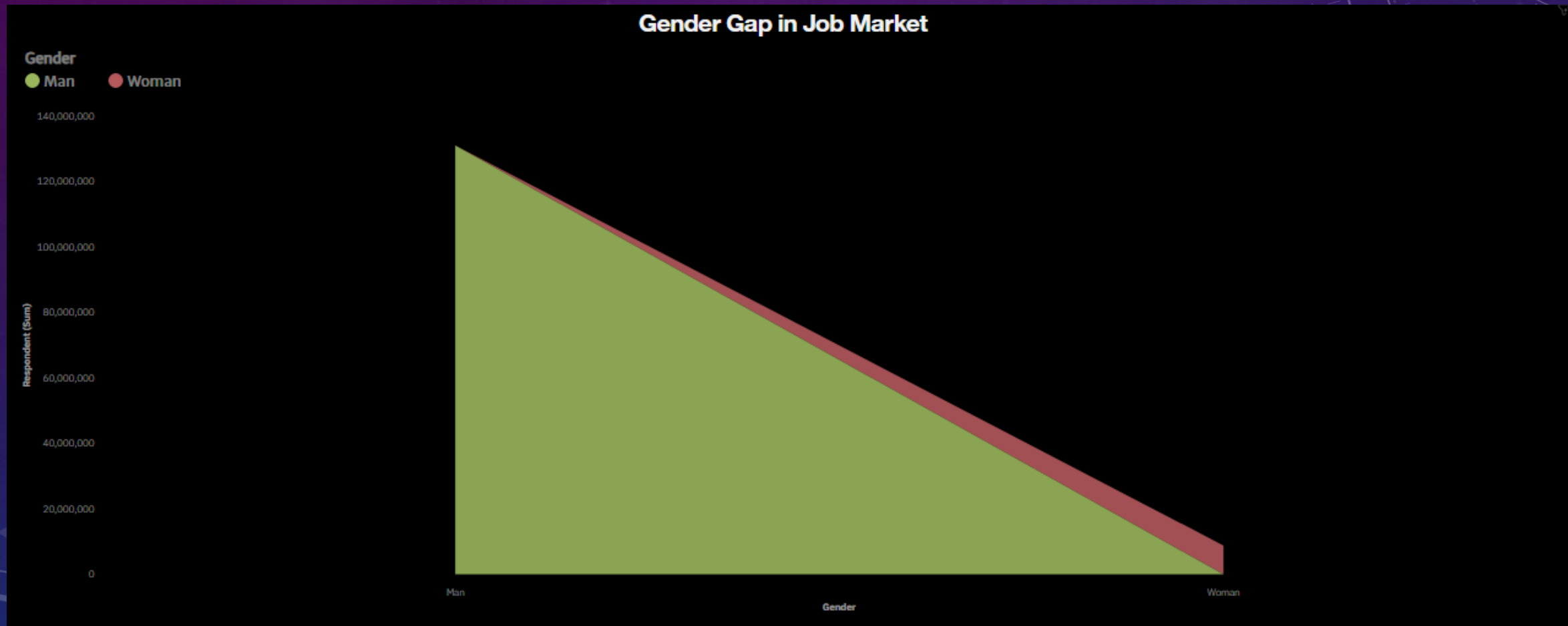*Technology tends impact on the job hiring.*

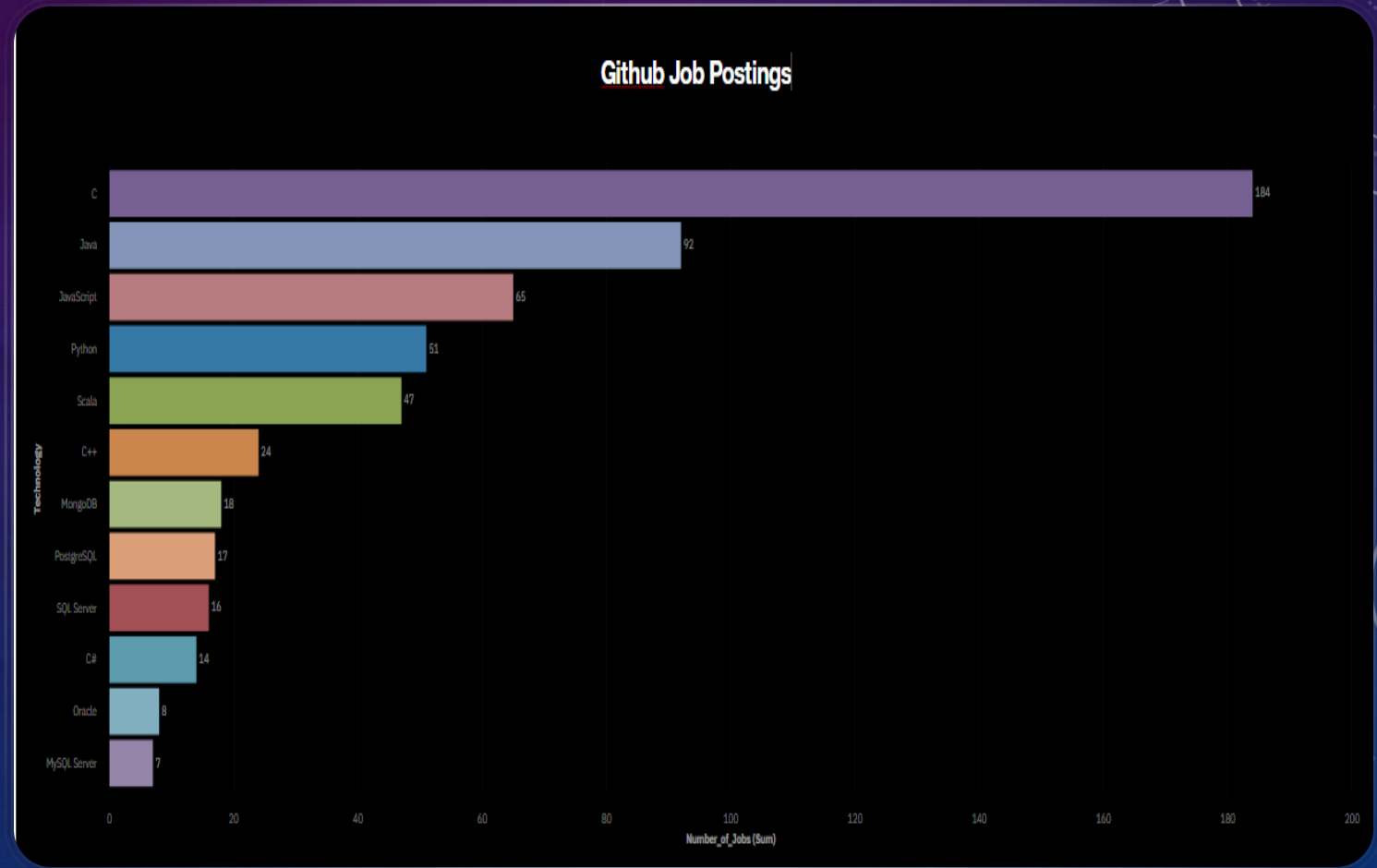*Women Jobs in Tech field are less than the third.*

CONCLUSION

- **JavaScript and HTML are the most required skills in the job market.**

- **Most Companies are using open source databases.**

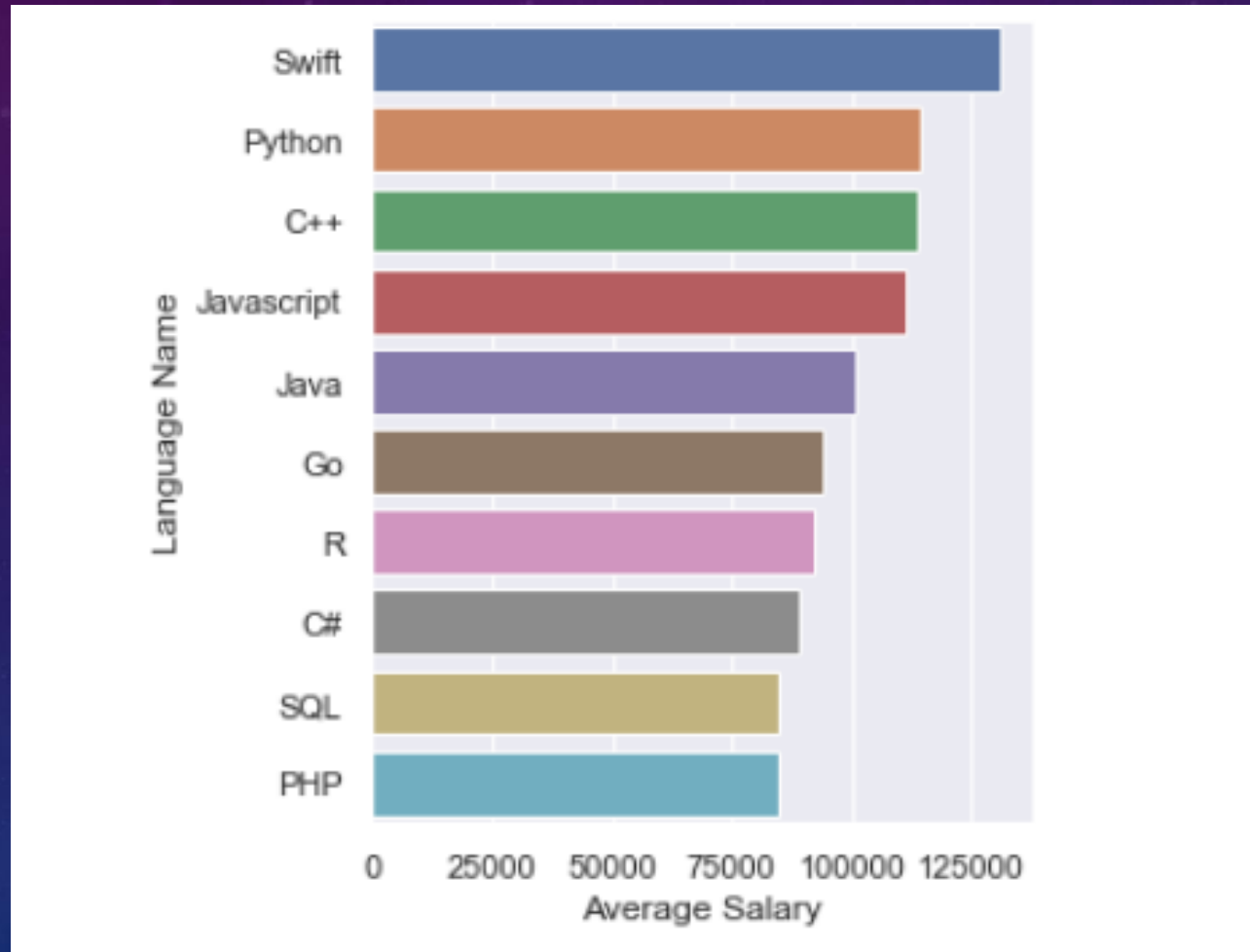- **There is a tremendous gender gap in the tech market.**

APPENDIX

JOB POSTINGS

POPULAR LANGUAGES

RESOURCES

- **Stackoverflow.blog/2019**

- **Servey Data Demographics**

- **Servey Data Technology**