



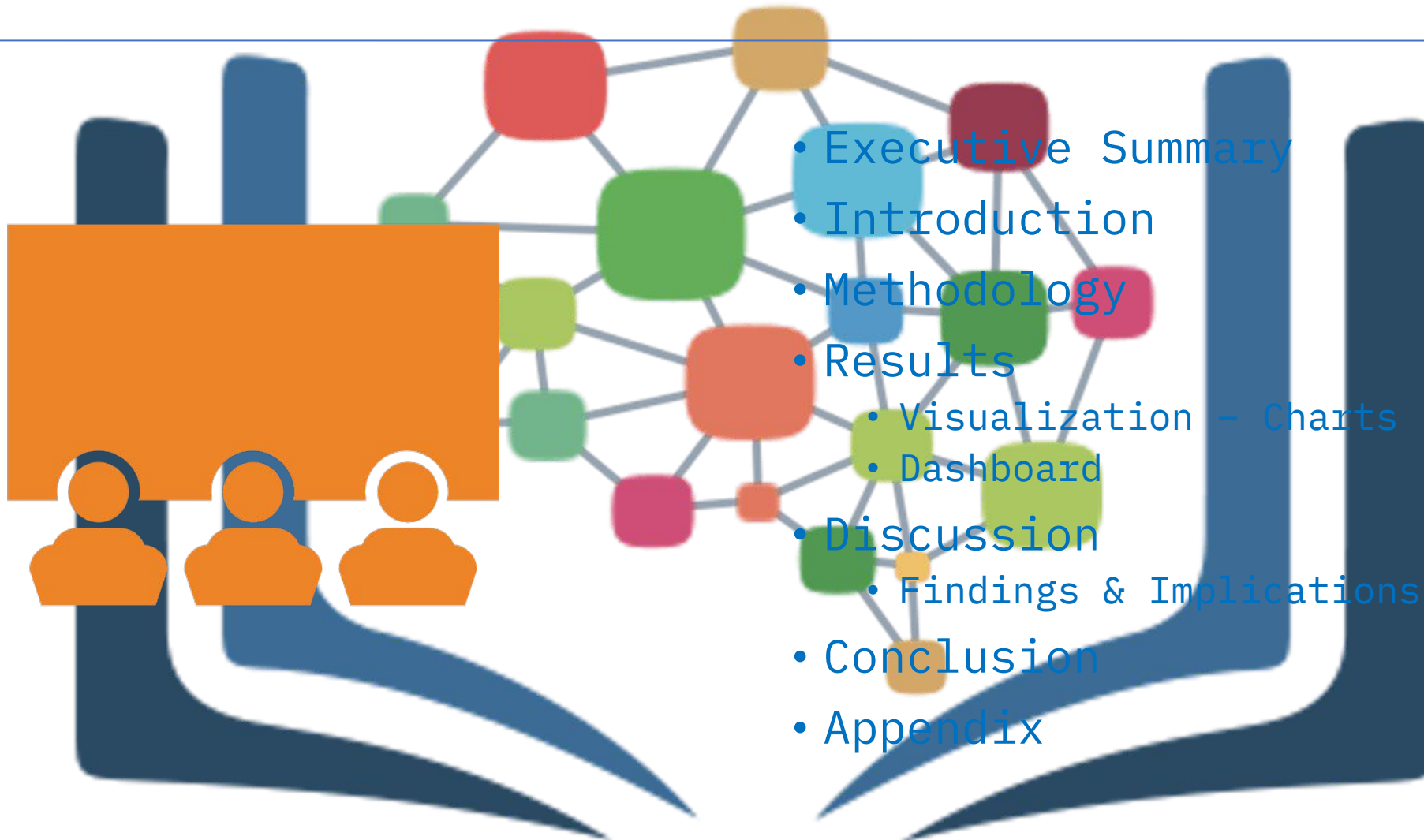
# Technology Trends & Analysis

Wei Li Hogaarts

9-5-2024

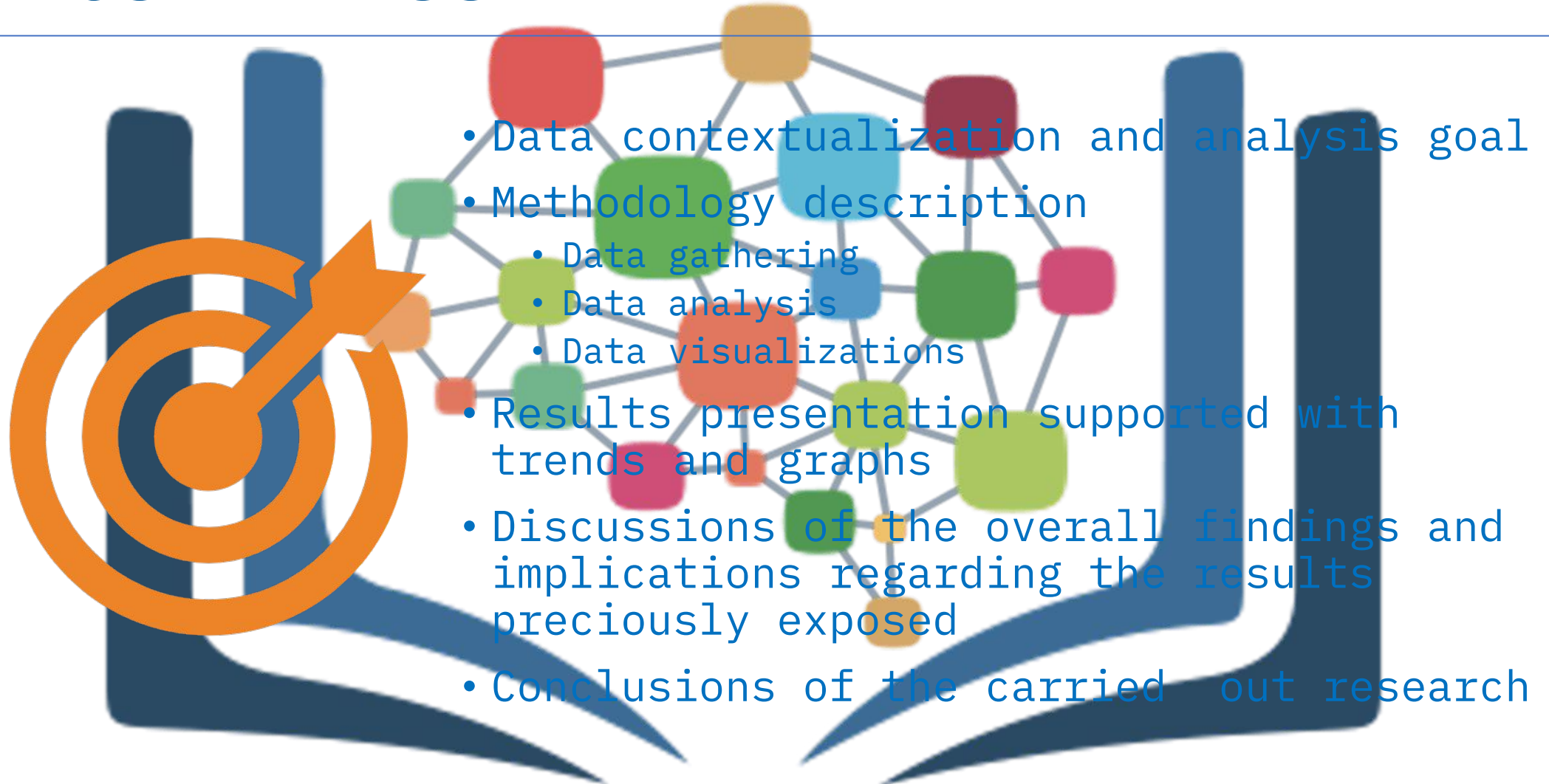
# OUTLINE

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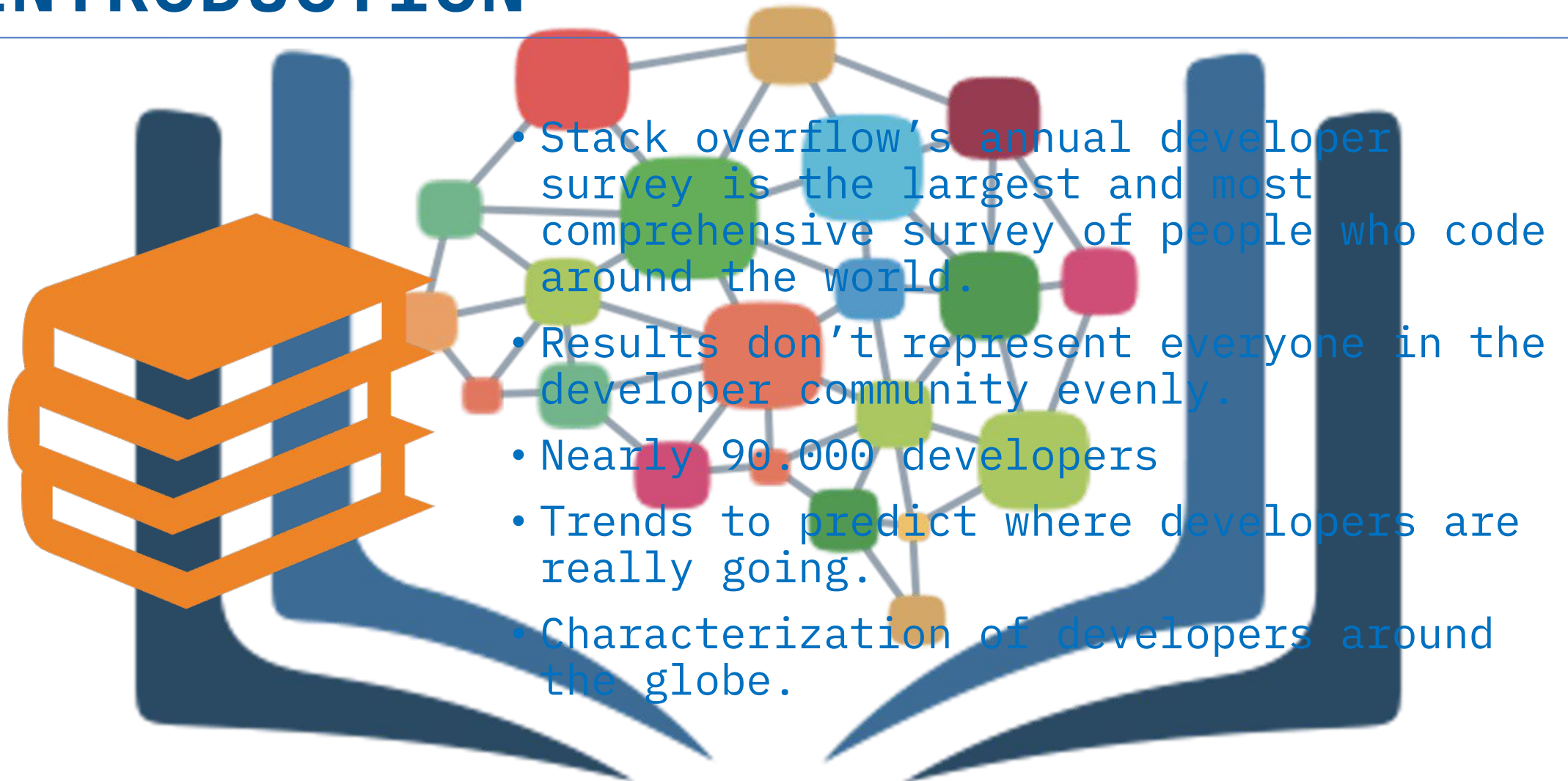
# EXECUTIVE SUMMARY

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# INTRODUCTION

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# METHODOLOGY

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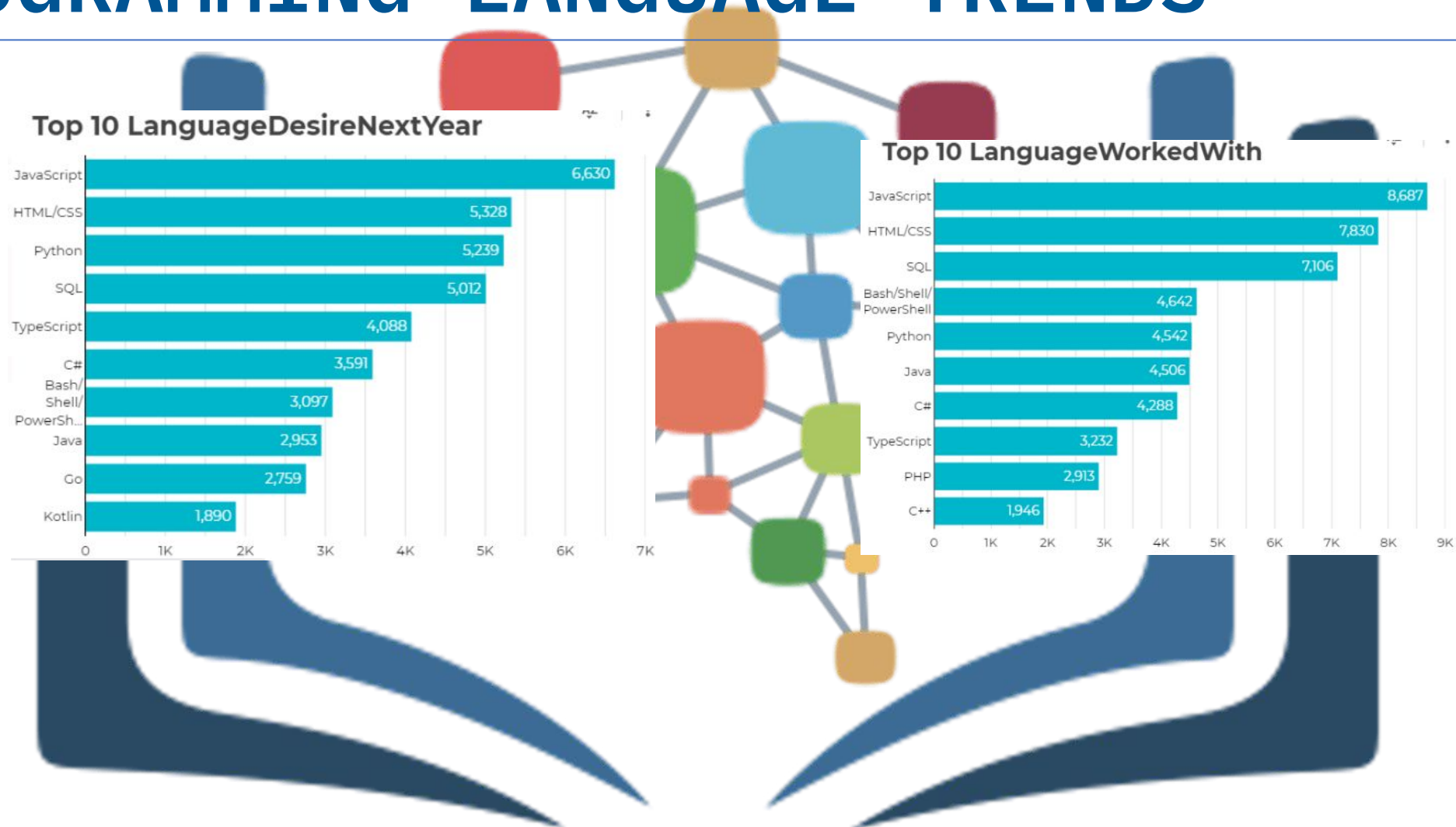


# RESULTS

	Respondent...	LanguageWorkedWith	LanguageDesireNextYear	DatabaseWorkedWith	DatabaseDesireNextYear
1.	25142	R			
2.	25142	Python			
3.	25142	C	C		
4.	25142	Go	Python		
5.	25142	C++	C++		
6.	25142	HTML/CSS	R		
7.	25142	PHP			
8.	25142	Bash/Shell/PowerShell	Bash/Shell/PowerShell	PostgreSQL	PostgreSQL
9.	25141	C#	F#		Microsoft SQL Server
10.	25141	JavaScript			
11.	25141	TypeScript			
12.	25141	HTML/CSS			Redis
13.	25141	Java			
14.	25141	Python			
15.	25141	SQL			

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# PROGRAMMING LANGUAGE TRENDS



# PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

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## Findings

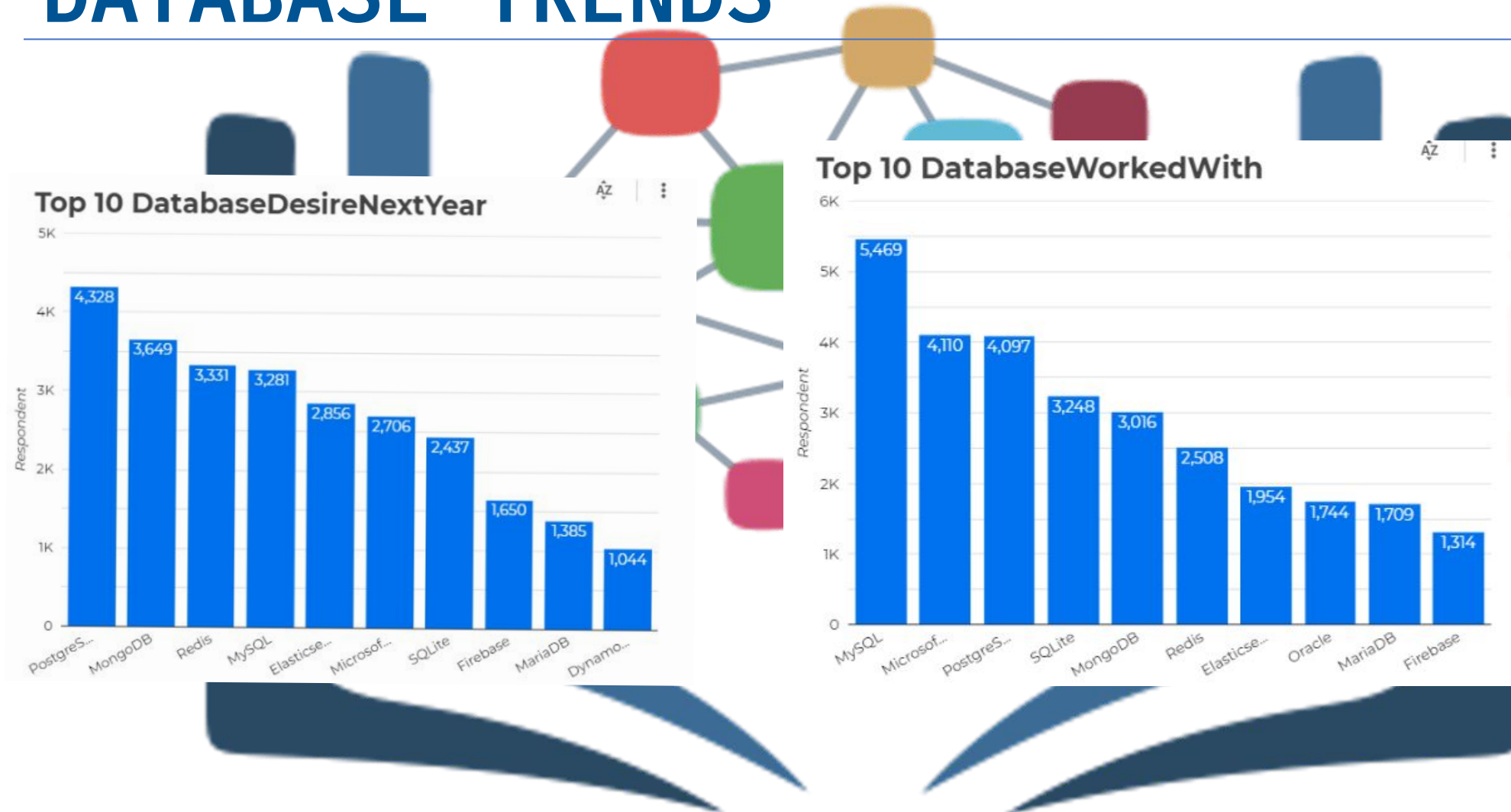
- Javascript is the leading language!
- Python and Typescript are becoming popular next year.
- Powershell is edged out in the next year.

## Implications

- Web development is still in high demand.
- With AI and Machine learning in the rising, python is the best choice.



# DATABASE TRENDS



# DATABASE TRENDS - FINDINGS & IMPLICATIONS

## Findings

- MySQL is the most popular database.
- Behind is Microsoft SQL.
- MongoDB is an upcoming favorite.
- New one to watch out for: Elasticsearch.

## Implications

- Open source databases are still preferable in companies.
- Redis supports abstracts the data types.
- Pretuned search to website, app or ecommerce store.

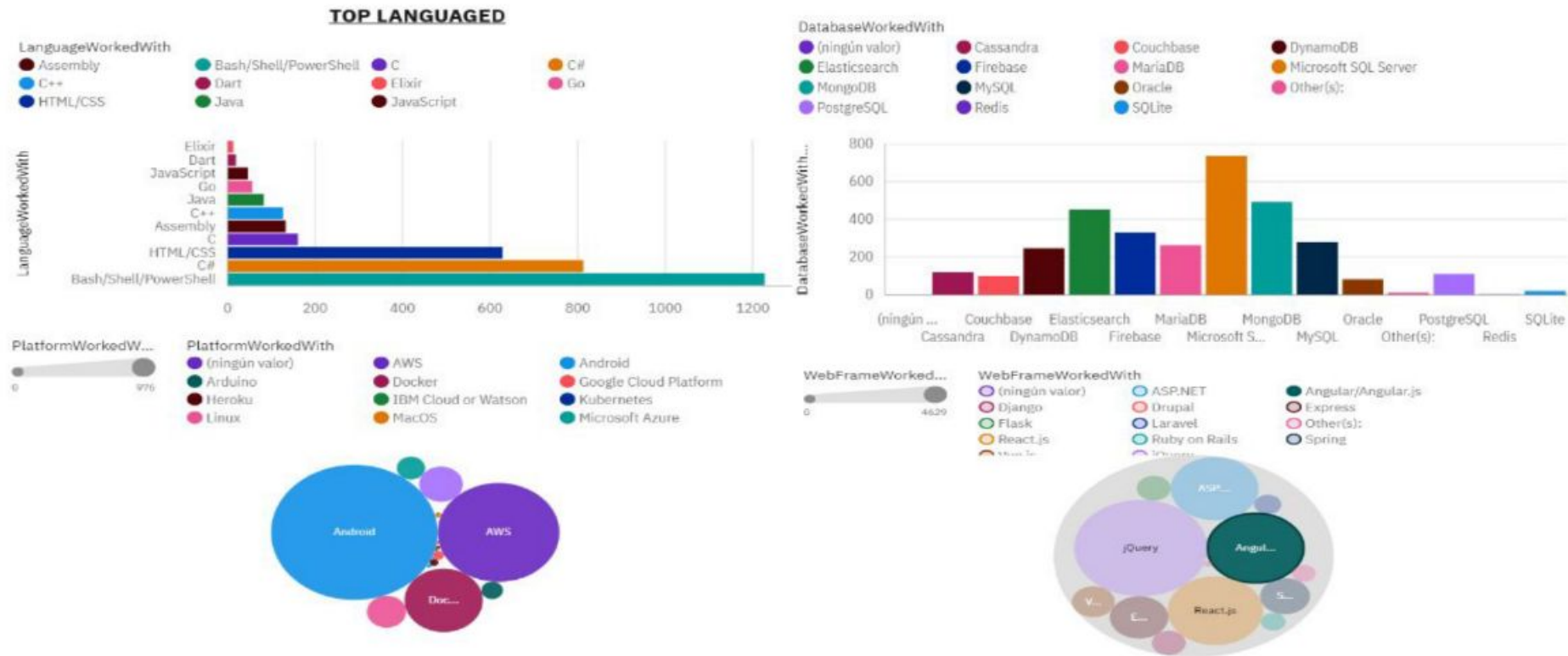
# DASHBOARD

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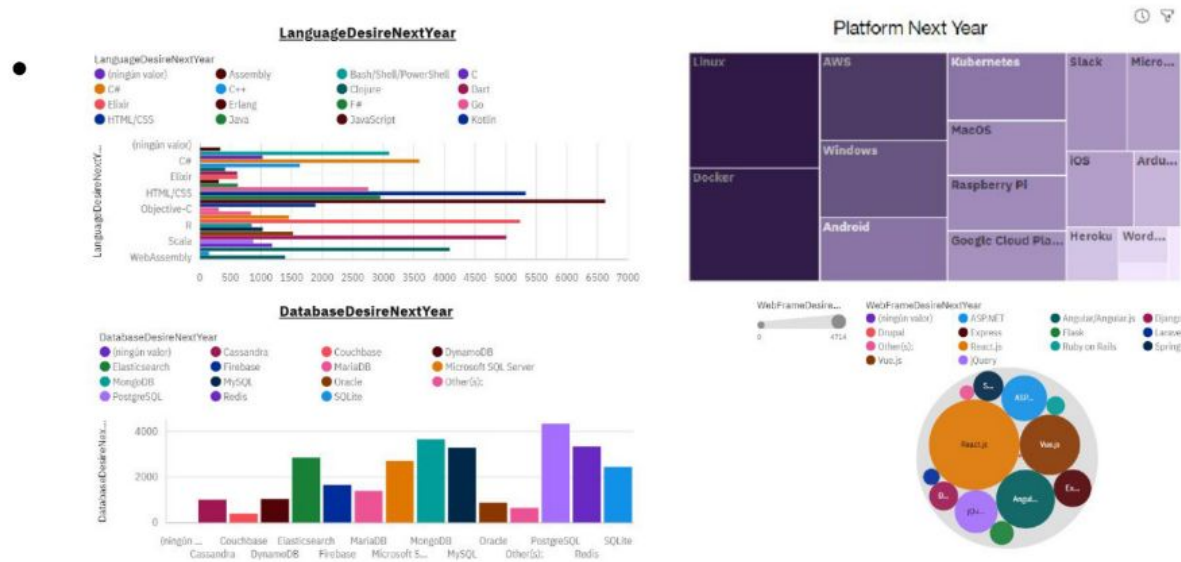
# DASHBOARD TAB 1

## Current Technology Usage



# DASHBOARD TAB 2

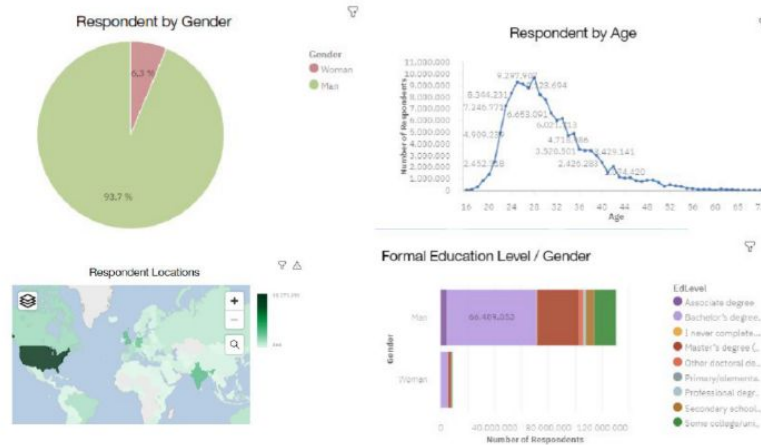
## Future Technology trends





# DASHBOARD TAB 3

## Demographics



# DISCUSSION

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# OVERALL FINDINGS & IMPLICATIONS

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## Findings

- Concentration on several countries like India and the USA.
- Gender gap in technology jobs.
- Platforms like AWS and Docker are growing.

## Implications

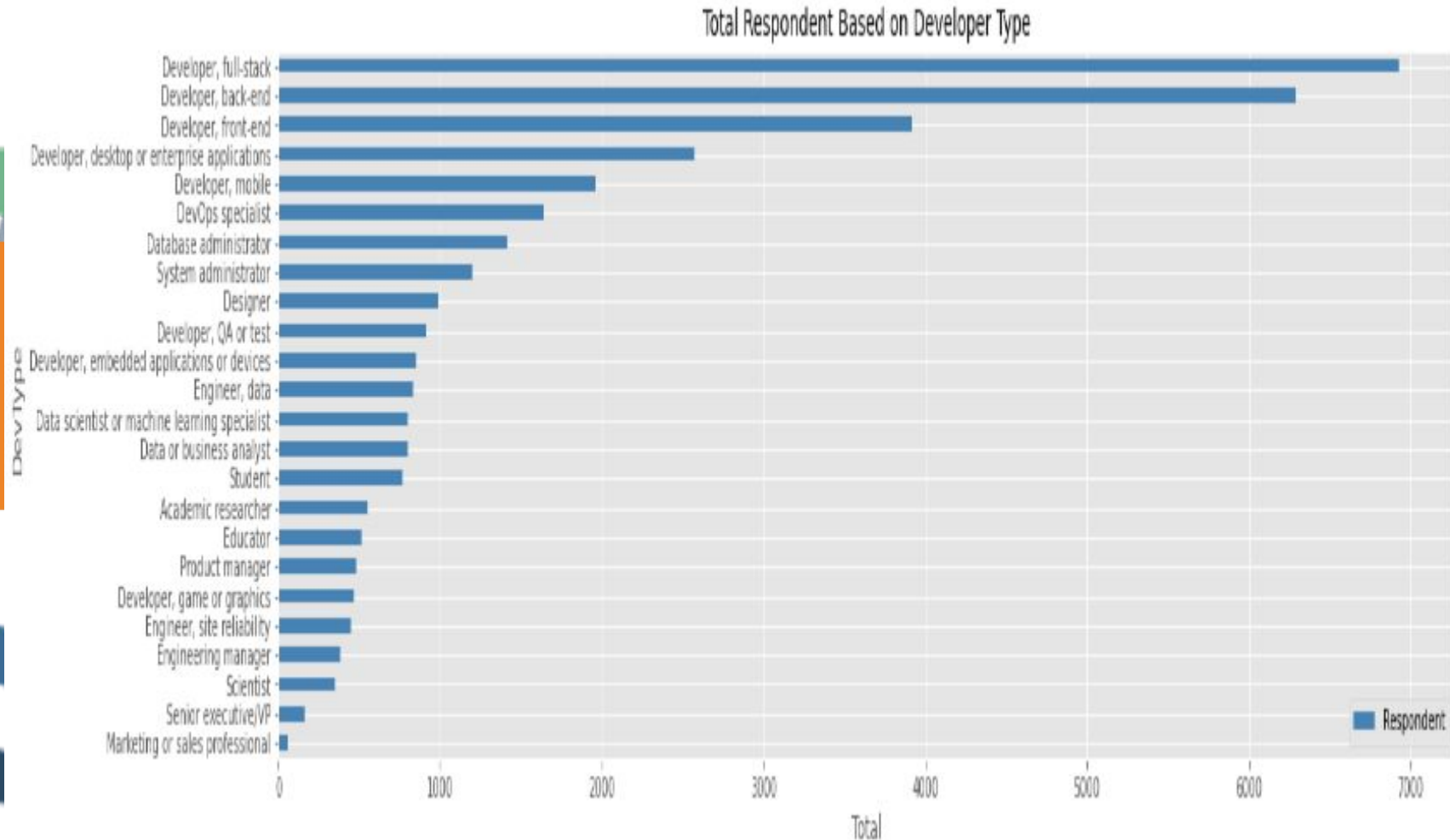
- Impact of job hirings.
- Shift to faster app deployments and cloud services in future.
- Need to spread technology out to lagging countries.

# CONCLUSION

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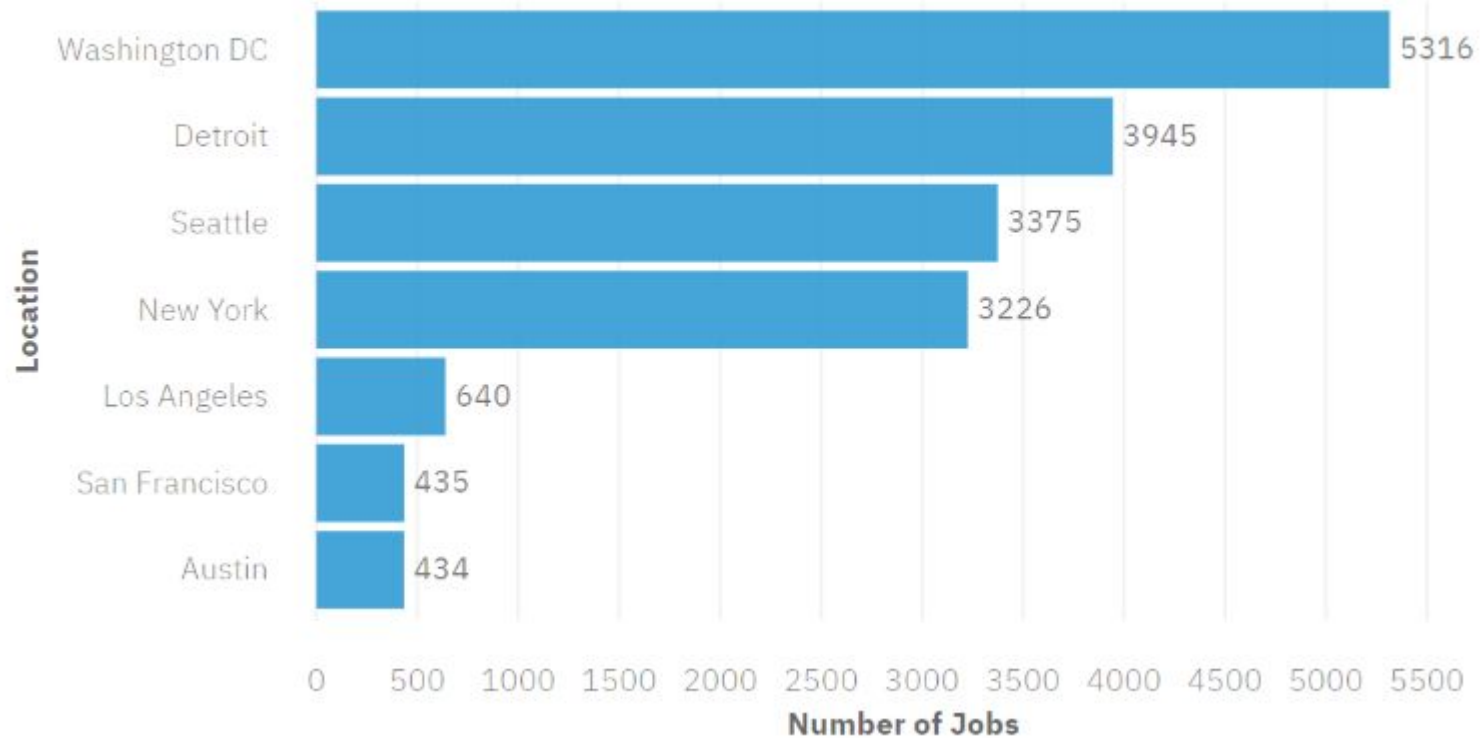


# APPENDIX





# JOB POSTINGS



# POPULAR LANGUAGES

