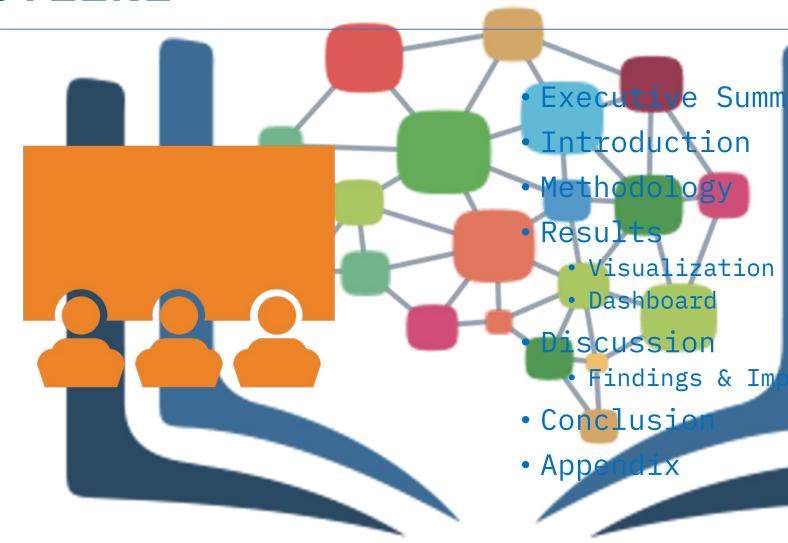


# OUTLINE



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### **EXECUTIVE SUMMARY**



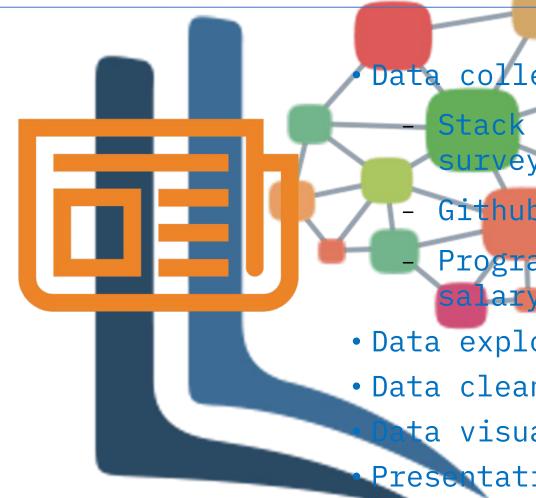
- Data contextualization and analysis goal
- Methodology description
  - Data gathering
  - Data analysis
  - Data visualizations
- Results presentation supported with trends and graphs
- Discussions of the overall indings and implications regarding the results preciously exposed
- Con lusions of the carried out research

### INTRODUCTION



- Stack overflow's annual d Lo survey is the largest and st comprehensive survey of p le code around the world
- Results don't represent e in the yone developer community evenl
- Nearly 90.000 developers
- Trends to predict where d lopers are really going.
  - Characterization 🙍 velopers around globe.

### **METHODOLOGY**



- Data collection sources.
  - overflow develo 20
  - Github job postings.
  - Programming languages hua
- Data exploration.
- Data cleaning.
  - ta visualizati
- Presentation

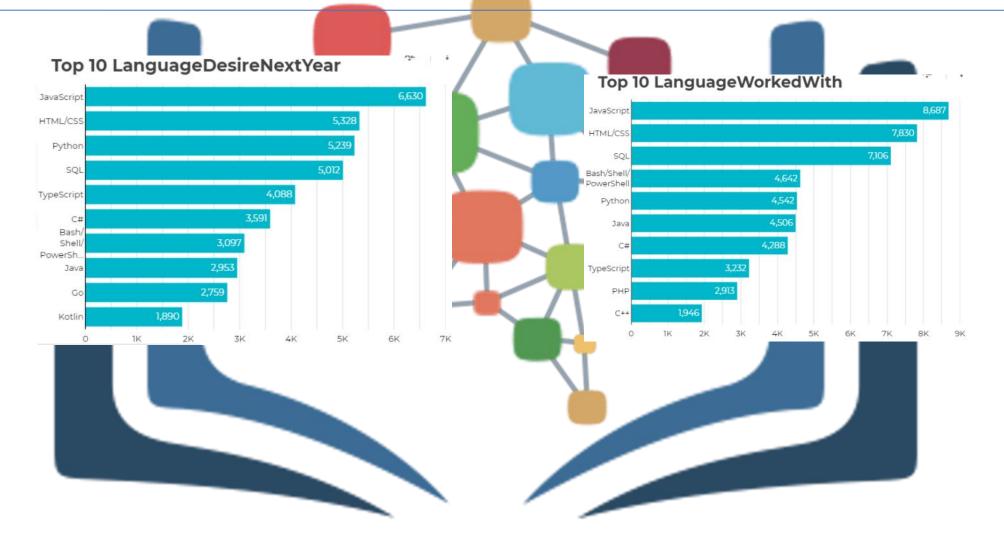
# **RESULTS**

	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 &

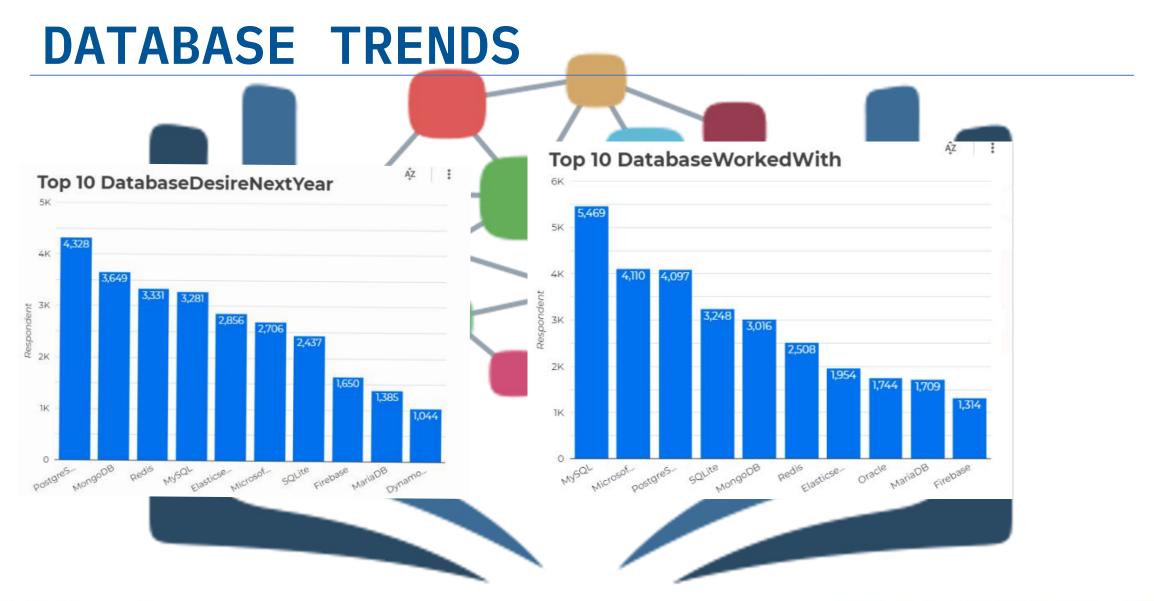
**IMPLICATIONS** 

### Findings

- Javascri 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 - FINDINGS & IMPLICATIONS -

### Findings

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

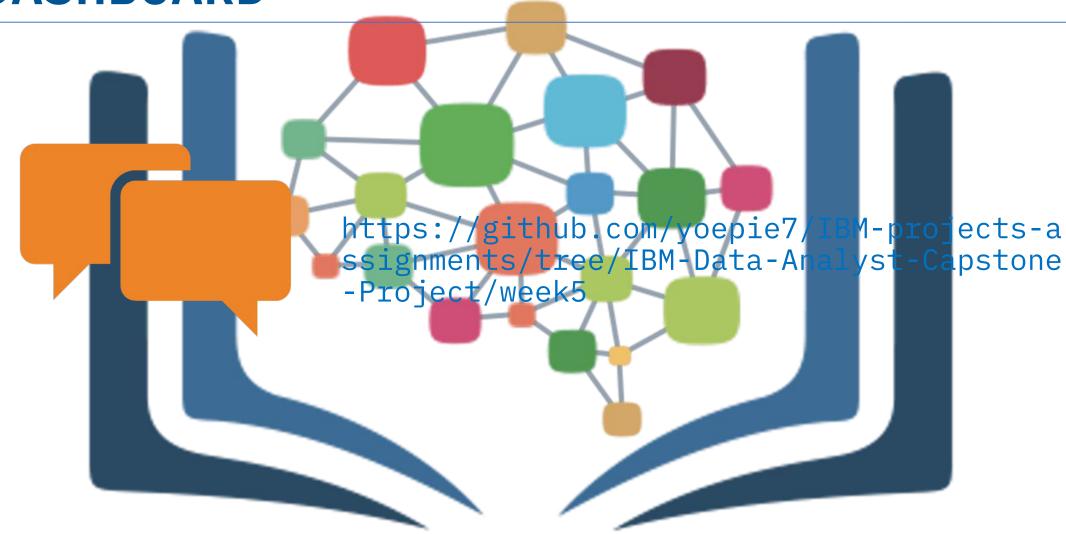
#### **Implications**

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

IBM Developer

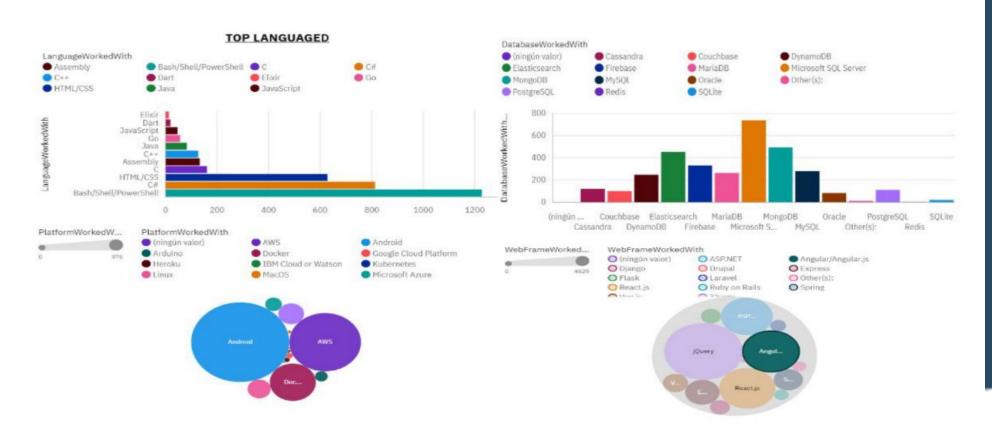


# **DASHBOARD**



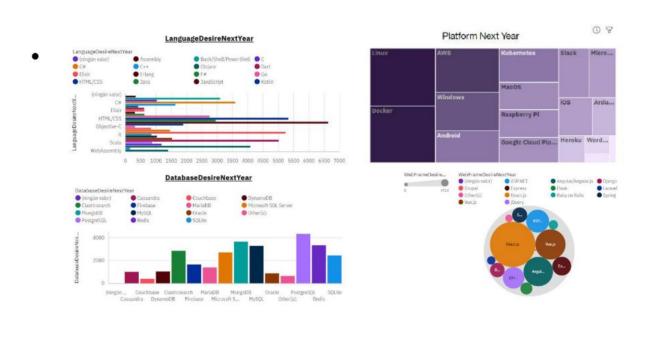
# DASHBOARD TAB 1

# Current Technology Usage

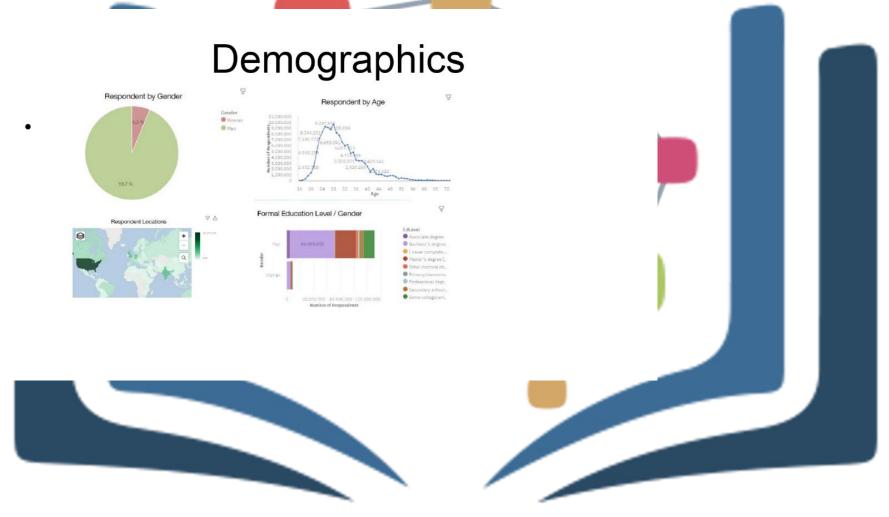


# DASHBOARD TAB 2

# Future Technology trends



# DASHBOARD TAB 3



### **DISCUSSION**



- Training and reskilling workers
- Bridge divide of technology maps in developing countries.
- •Eliminate age and education discrimination in employment.
- Technology trends now and future.

SKILLS NETWORK



## OVERALL FINDINGS & IMPLICATIONS

#### Findi

- Concentr Lon on untries like several India an the USA.
- Gender g in technolo iobs.
- Platforms and LIKE are growing Docker

### **Implications**

- irings. • Impa
- to fa deployments cloud nd ervices in
- · Need to sn techn lagging c

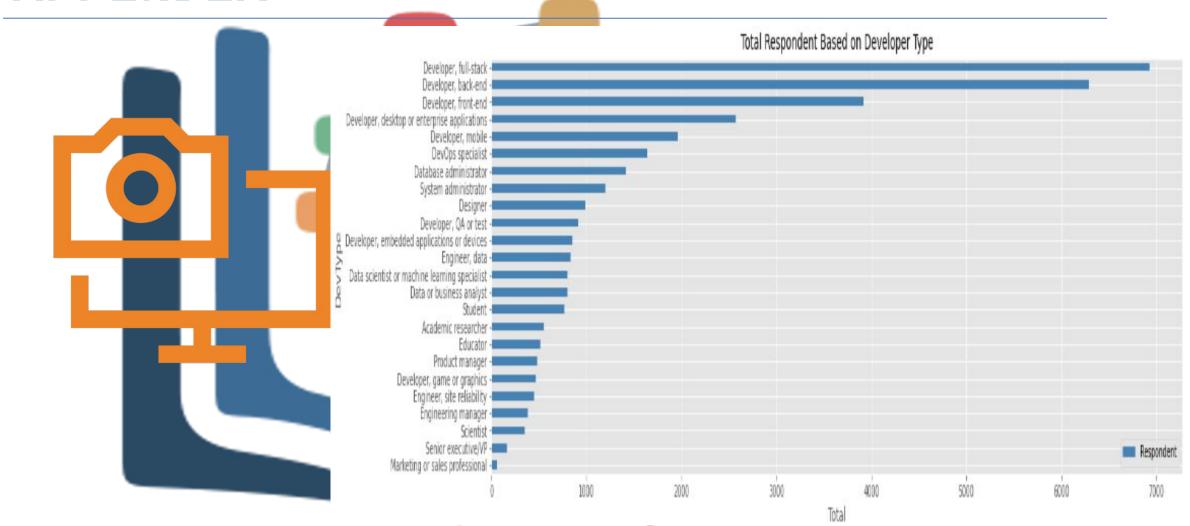
### CONCLUSION



- Demographics overview.
- ·Actions needed to be taken.
- •A good idea of popularity trends of different tools, platforms and languages can be obtained.
- •The technology trends for current and next year.
  - The programming languages, databases and platform overview.

    SKILLS NETWORK

### **APPENDIX**



# JOB POSTINGS



### POPULAR LANGUAGES

