



the futrue of toconolgy survey anaylsis

Abdelanasser soliman

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OUTLINE



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

EXECUTIVE SUMMARY



- the current and future of programming languages and database and web platforms
 - Gender
 - Countries
 - Age
 - Education
 - Current job
- technology current and future around world
- technology jobs according to gender

INTRODUCTION



- About: the Future of technology around world
- Purpose:
 - what most programming languages worked with and desired by survey participants?
 - what most database worked with and desired by survey participants?
- introduced to stockholders and IT Dep.

METHODOLOGY



- data sources:
- survey_data_technologies_normalised
- survey_data_demographics
- POPULAR LANGUAGES
- job_posting
- cogons visualization

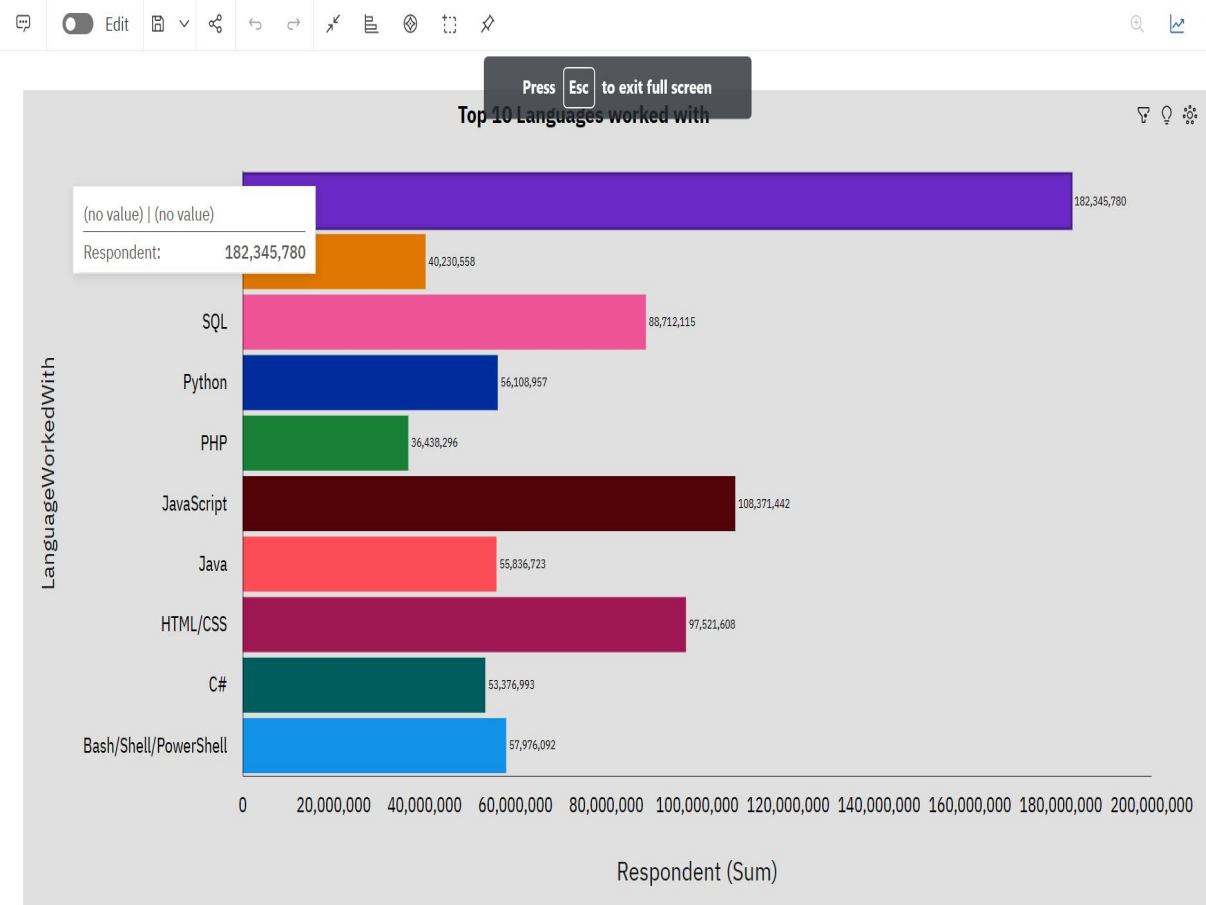
RESULTS

Delimiter:

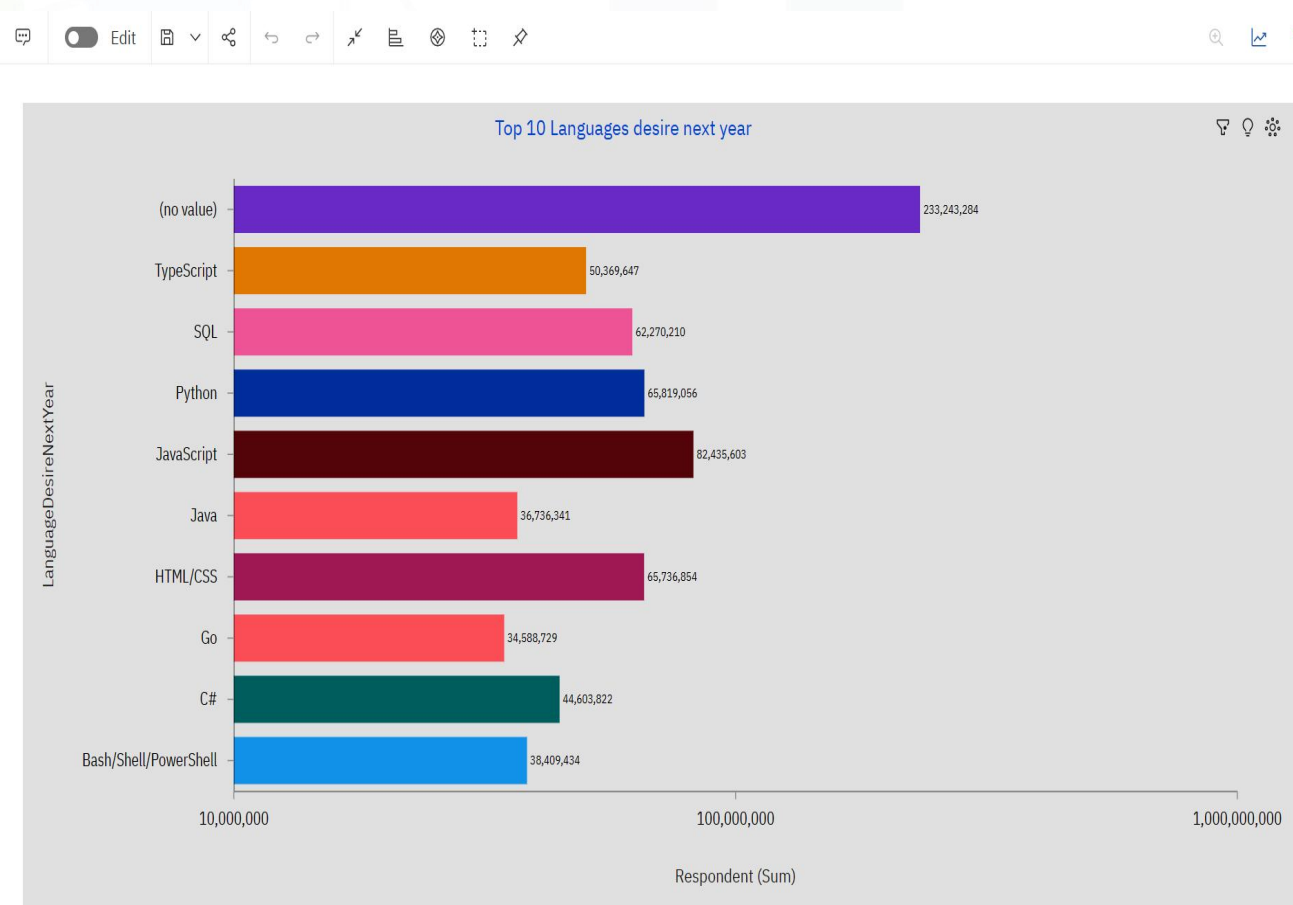
	Respondent	LanguageWorkedWith	LanguageDesireNext...	DatabaseWorkedWith	DatabaseDesireNext...	PlatformWorkedWith	PlatformDesireNextY...	
1	4.0	C	C	MySQL	MySQL	Linux	Linux	
2	16680.0	JavaScript	JavaScript	Elasticsearch	Cassandra	Android	AWS	
3	16695.0	Java	Kotlin	MySQL	Elasticsearch	Linux	Arduino	
4	16695.0	HTML/CSS	Dart	Firebase	Cassandra	Android	Android	
5	16692.0	SQL	SQL	PostgreSQL	MongoDB	Heroku	Heroku	
6	16692.0	Ruby	Ruby	Elasticsearch	Elasticsearch	Docker	Docker	
7	16689.0	HTML/CSS	C++	Firebase	MongoDB	Heroku	AWS	
8	16687.0	F#	F#	Redis	Redis	Windows	Docker	
9	16687.0	C#	C#	Microsoft SQL Server	Microsoft SQL Server	AWS	AWS	
10	16686.0	Java	Java	SQLite	Redis	MacOS	Heroku	
11	16686.0	HTML/CSS	HTML/CSS	PostgreSQL	PostgreSQL	IBM Cloud or Watson	AWS	
12	16686.0	C#	C#	MySQL	MySQL	Heroku	Arduino	
13	16686.0	Bash/Shell/PowerShell	Bash/Shell/PowerShell	Firebase	Firebase	Google Cloud Platform	Android	
14	16684.0	C++	C++	MySQL	Elasticsearch	Linux	AWS	
15	16684.0	C#	HTML/CSS	SQLite	MongoDB	Microsoft Azure	Kubernetes	
16	16684.0	Bash/Shell/PowerShell	Bash/Shell/PowerShell	Microsoft SQL Server	DynamoDB	Android	Android	
17	16681.0	C++	C++	SQLite	SQLite	Raspberry Pi	Other(s):	
18	16695.0	JavaScript	Python	SQLite	MongoDB	Slack	Docker	

PROGRAMMING LANGUAGE TRENDS

Current Year



Next Year



PROGRAMMING LANGUAGE TRENDS - FINDINGS & IMPLICATIONS

Findings

- the most 3 languages used to work with javascript,sql and html/css
- the most languages desired for next year javascript,sql,html/css and python
- there are languages getting being desired next year as Go, c#
- bash /powershell its not in most desired languages next year

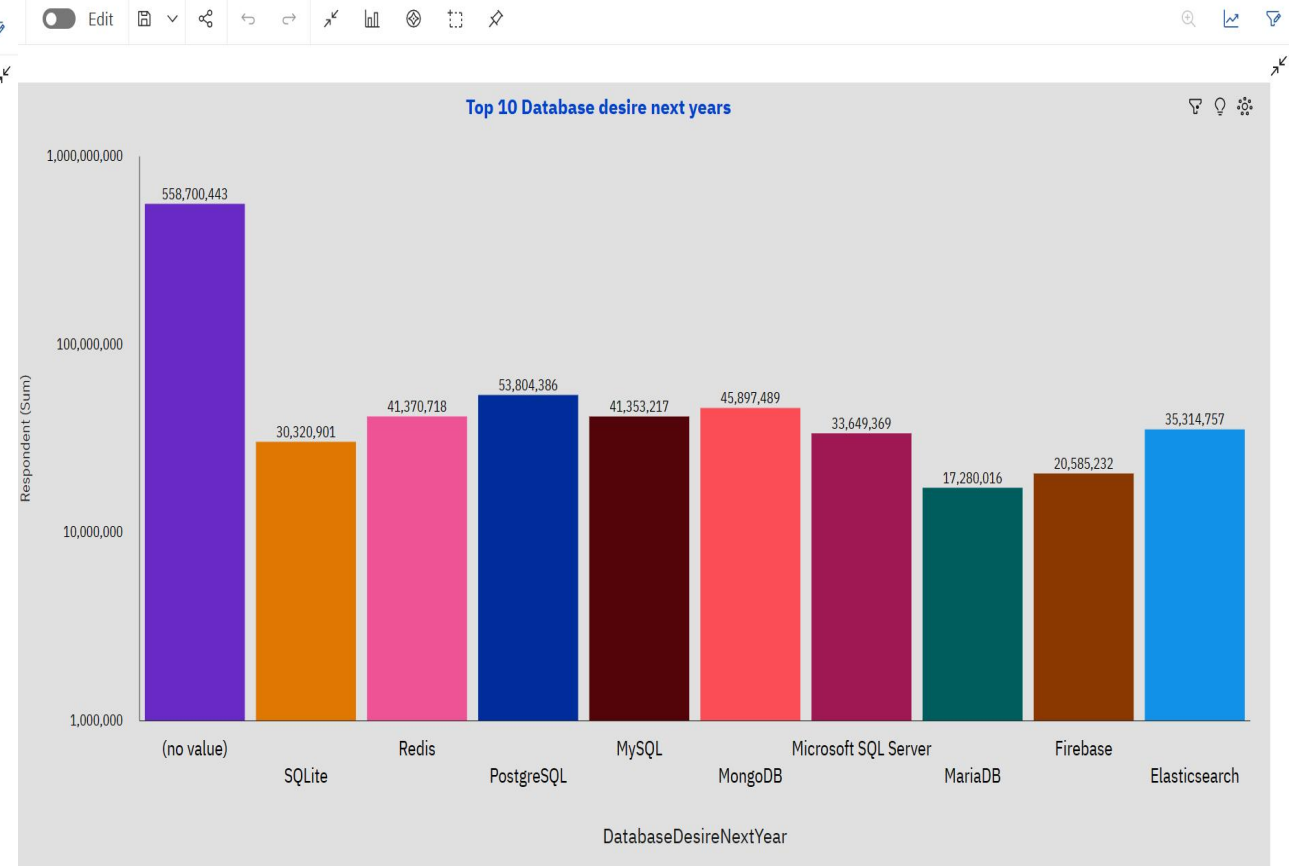
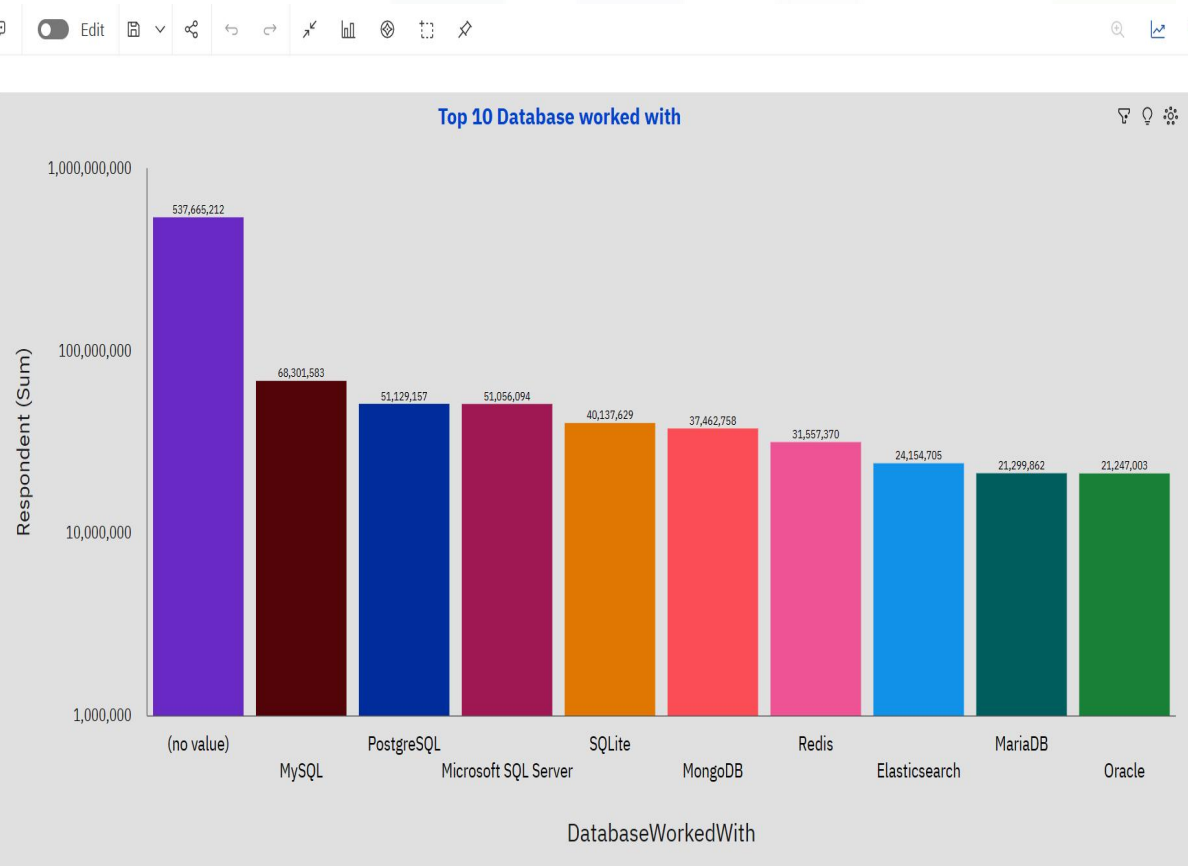
Implications

- still javascript ,html/css very high demand for next year
- python demand increasing for next year
- sql language showed increased demand as popular database query language

DATABASE TRENDS

Current Year

Next Year



DATABASE TRENDS - FINDINGS & IMPLICATIONS

Findings

- My sql, postgresql and MS sql server highest database for this year
- postgresql is most desired database for next year, My sql still popular
- increasing trend in mongodb and elasticsearch for next year.

Implications

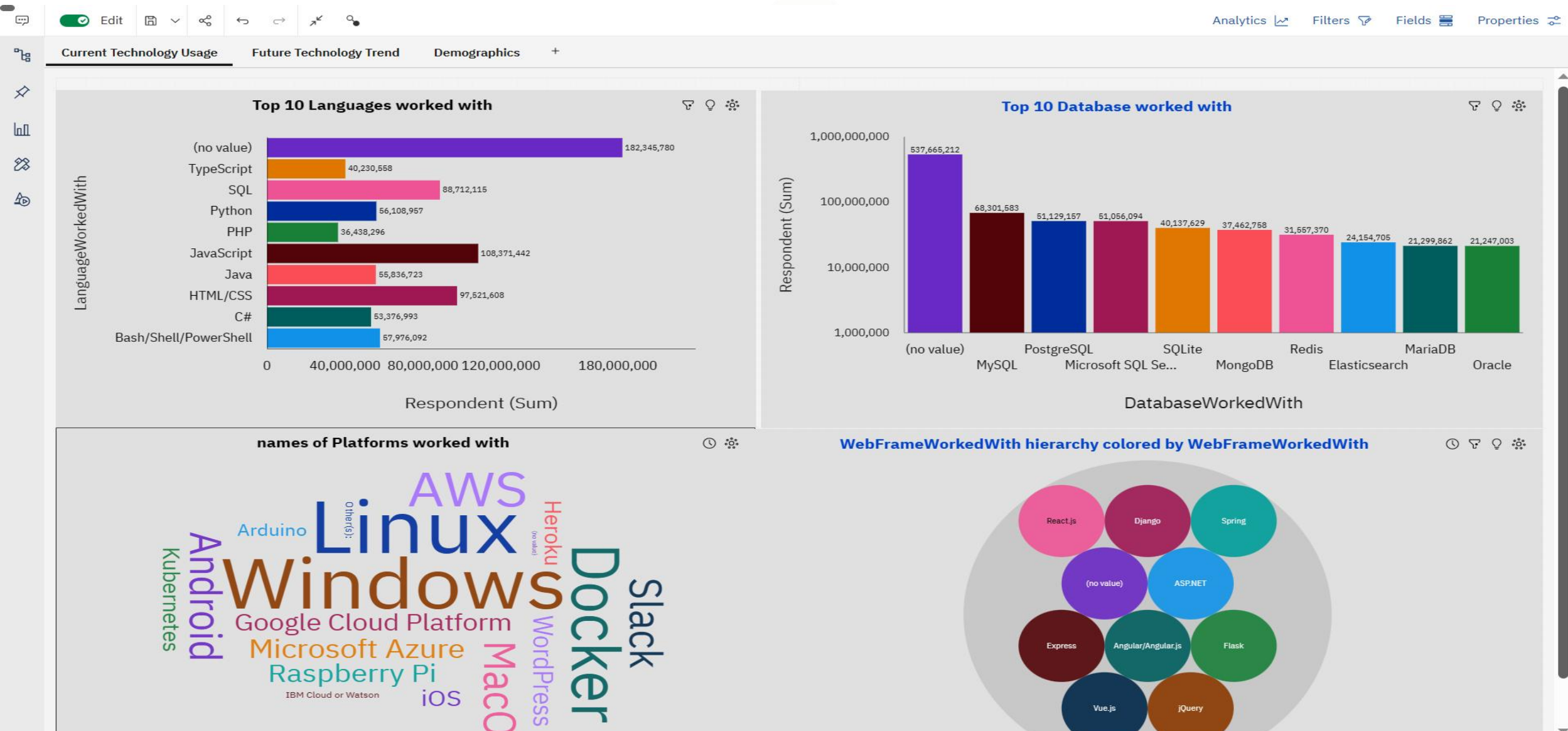
- either is open source or not database very reliable for work with data
- obvious developing in database software

DASHBOARD

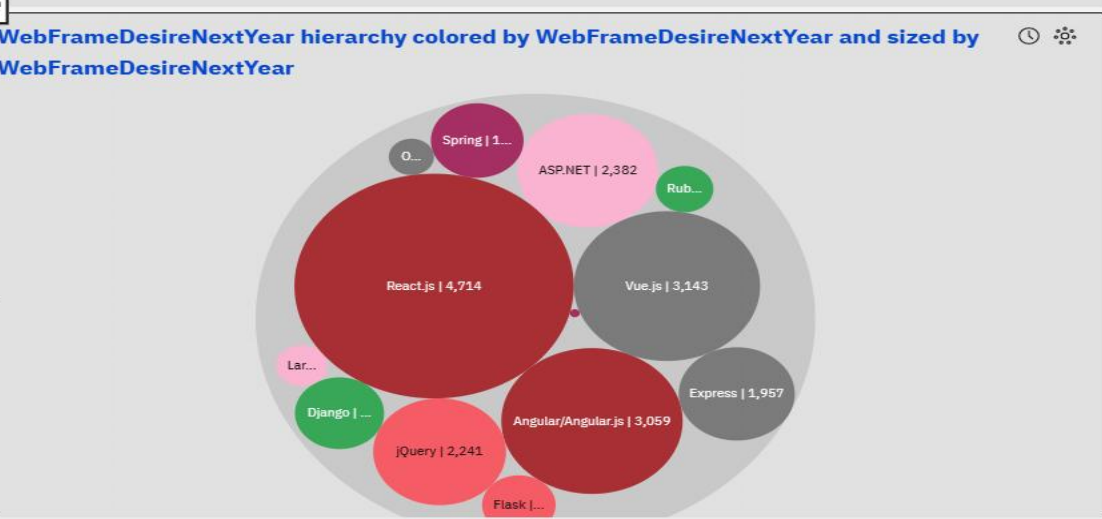
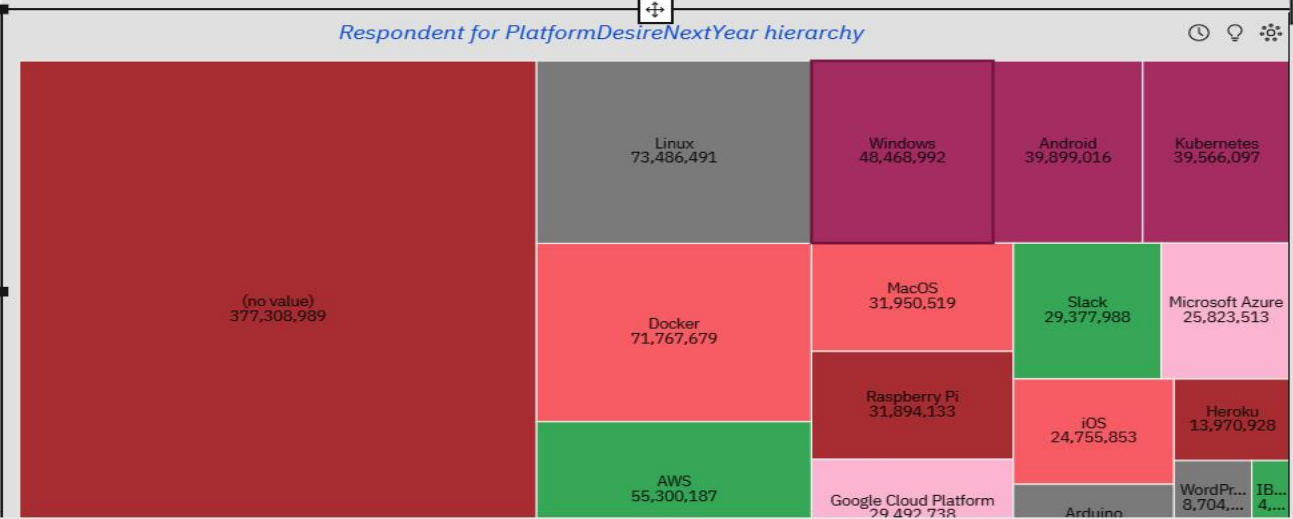
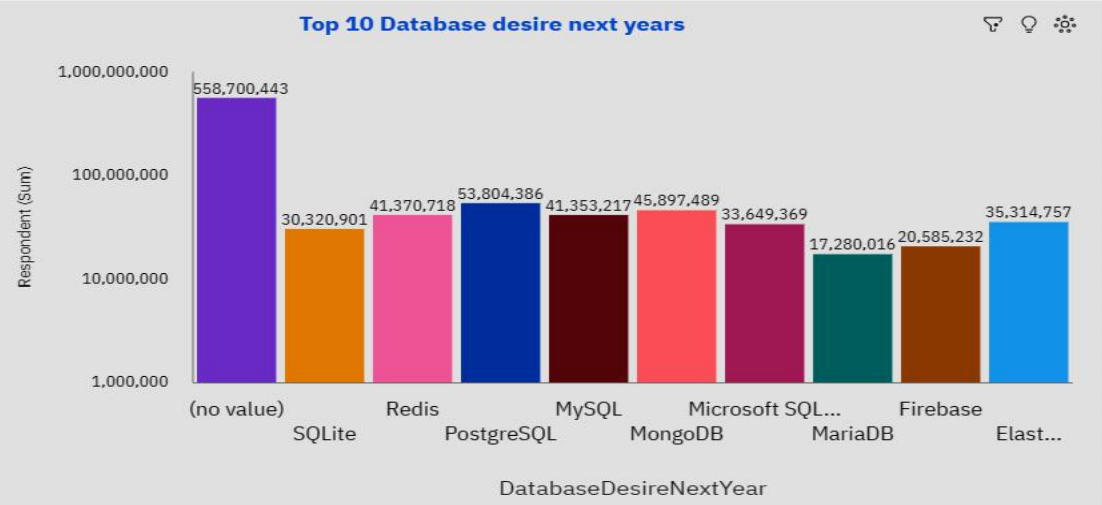
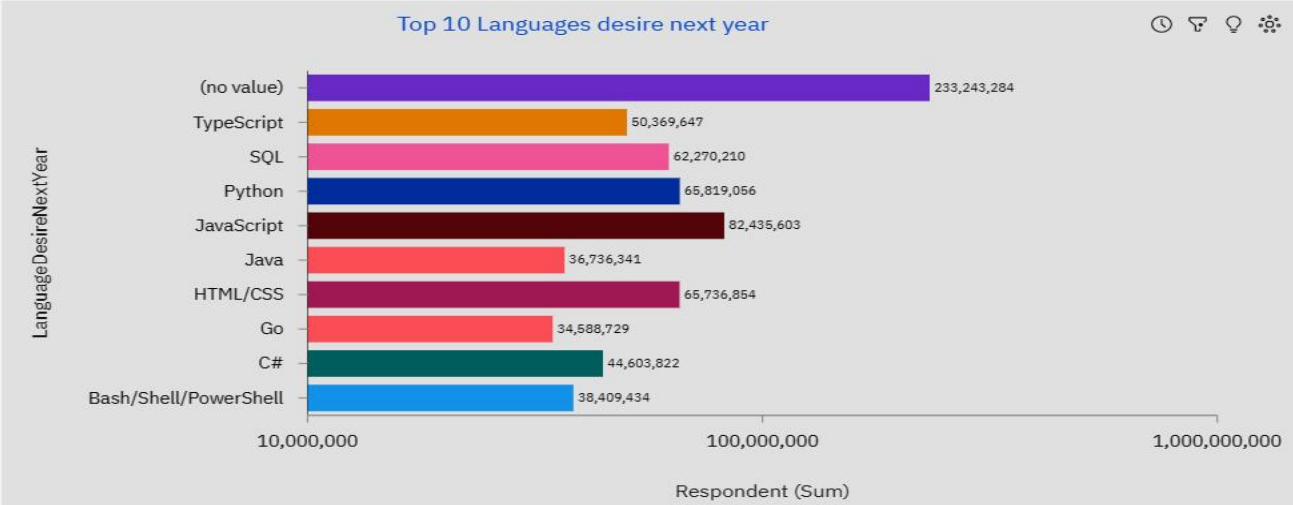


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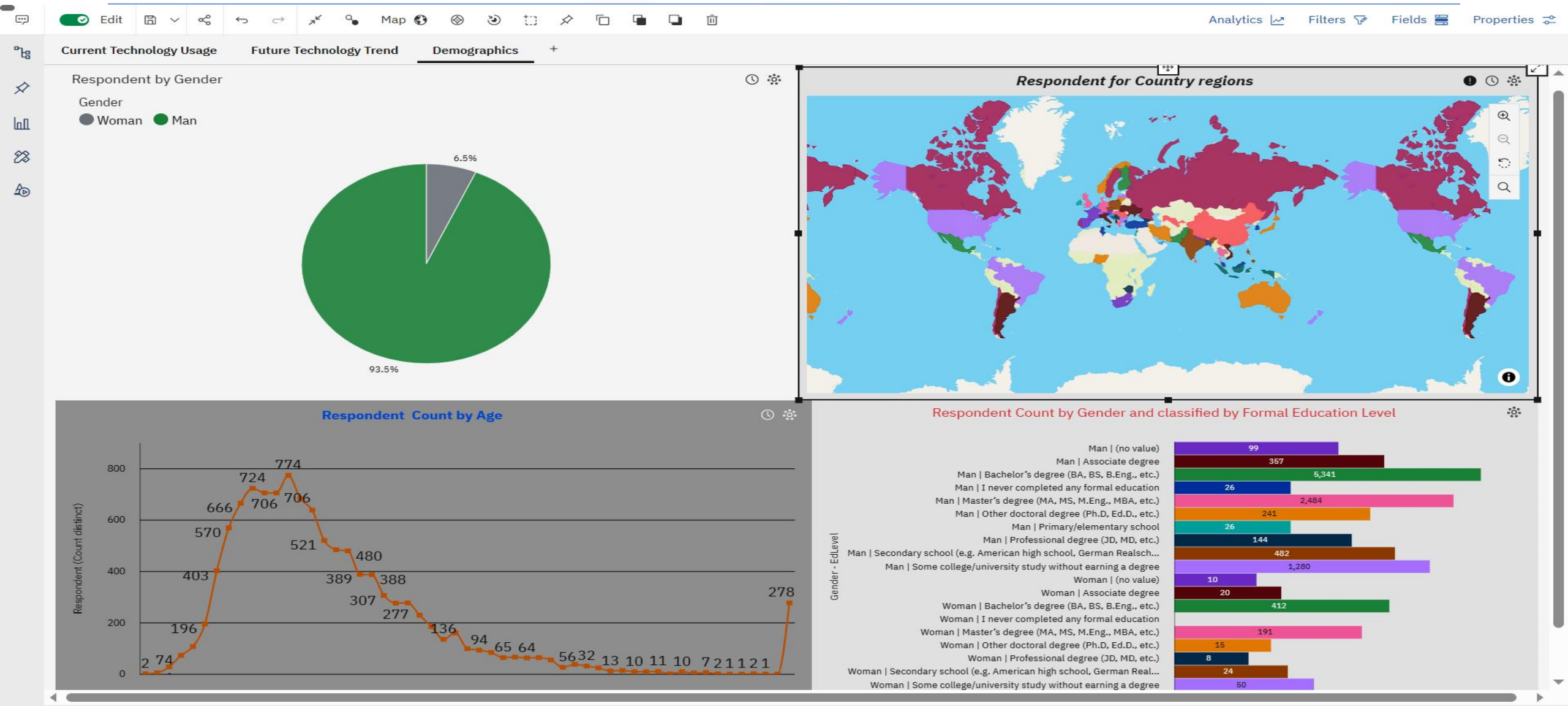
DASHBOARD TAB 1



DASHBOARD TAB 2



DASHBOARD TAB 3



DISCUSSION



- trend in technology
- training employees
- increase women in field
- improving technology in countries
- age and formal education

OVERALL FINDINGS & IMPLICATIONS

Findings

- changing in technology is fast
- programming languages and database is rising

Implications

- more training in technology
- cloud services for applications

CONCLUSION



- trend for technology next year
- programming languages , database and platforms
- average salary for jobs in technology
- technology jobs in countries

APPENDIX

Job Experience Required and Role

Role	Job Experience Required
* A US based \$4.0 billion world leader in staffing services to over 6000 customers globally. * World's L...	3 - 8 Years
* A US based \$4.0 billion world leader in staffing services to over 6000 customers globally. * World's L...	4 - 6 Years
* TEKsystems is a part of Allegis Group -an \$8.5 Billion US based privately held firm. One of the world'...	1 - 6 Years
- TEKsystems India is a wholly owned subsidiary of Allegis Group, Inc, a \$11 billion enterprise - TEKsy...	7 - 12 Years
. Reviewing protocol SAP & RAP preparation and implementation Sample size calculation Provides sta...	4 - 9 Years
1.IMS certification/ re certification & surveillance audits planning and arranging through third party ce...	4 - 9 Years
2 or more years of professional working experience in 3D Studio Max, Maya, Adobe Photoshop & ZBru...	2 - 6 Years
2nd Engineer	1 - 3 yrs
4th Engineer	0 - 5 yrs
A Client of Drishti Consultants Pvt. Ltd.	0 - 2 Years
A leading food & hospitality industry	3 - 6 Years
A tele-caller job is basic service to attend calls from Employees and note their problems Calling the ne...	0 - 5 Years
ACT (Atria Convergence Technologies Ltd.) was born out of a vision to become the most admired in-th...	7 - 12 Years
ANRI SOLUTIONS HR SERVICES PVT LTD - Recruitment Consultancy	3 - 8 Years
AV Editor	1 - 5 yrs
	2 - 4 yrs
About Aston Carter: * Aston Carter is a wholly owned subsidiary of Allegis group which is \$12.5billion ...	3 - 7 Years

Respondent by Gender



Edit



Gender

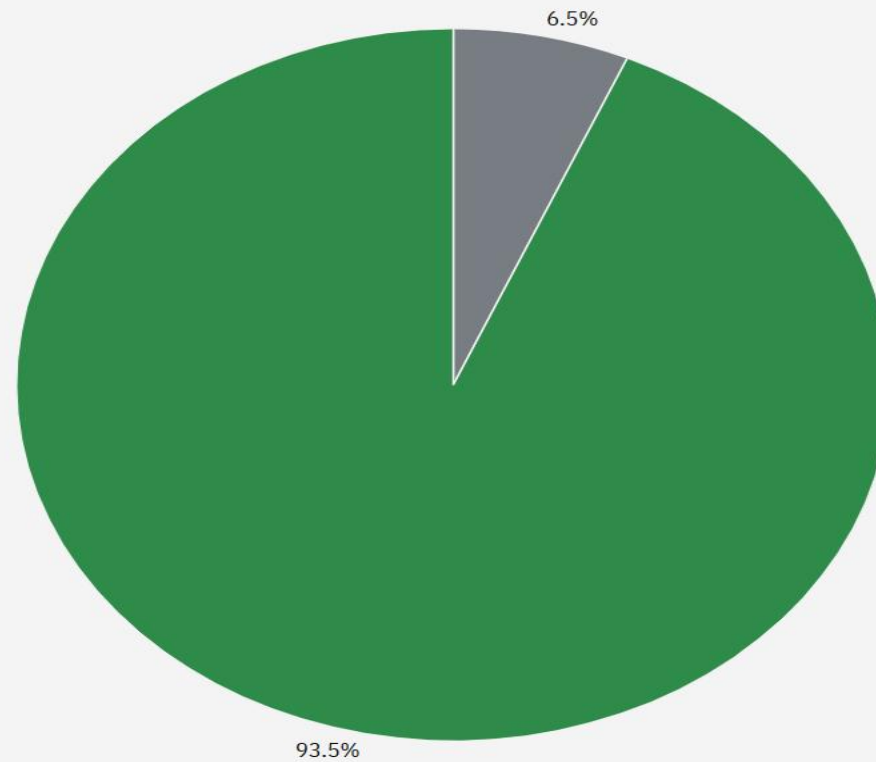


Woman



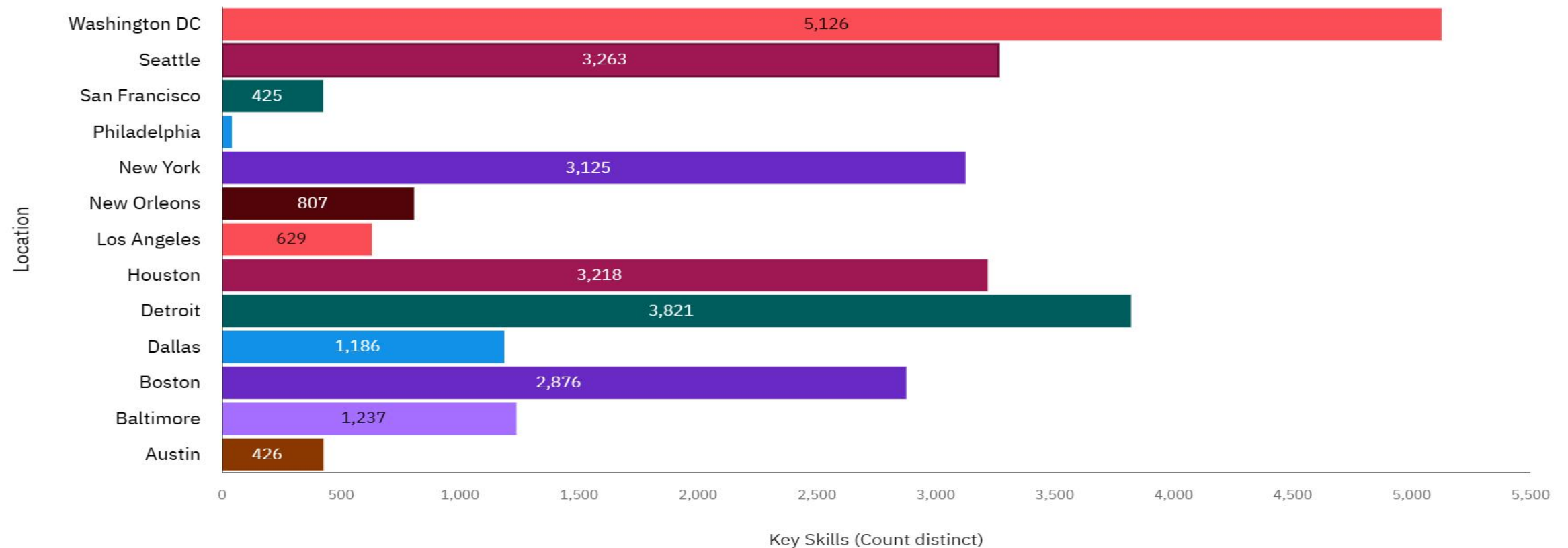
Man

Respondent by Gender



JOB POSTINGS

jobs by Location



POPULAR LANGUAGES

popular-languages

Average Annual Salary by Language colored by Language and Average Annual Salary

