

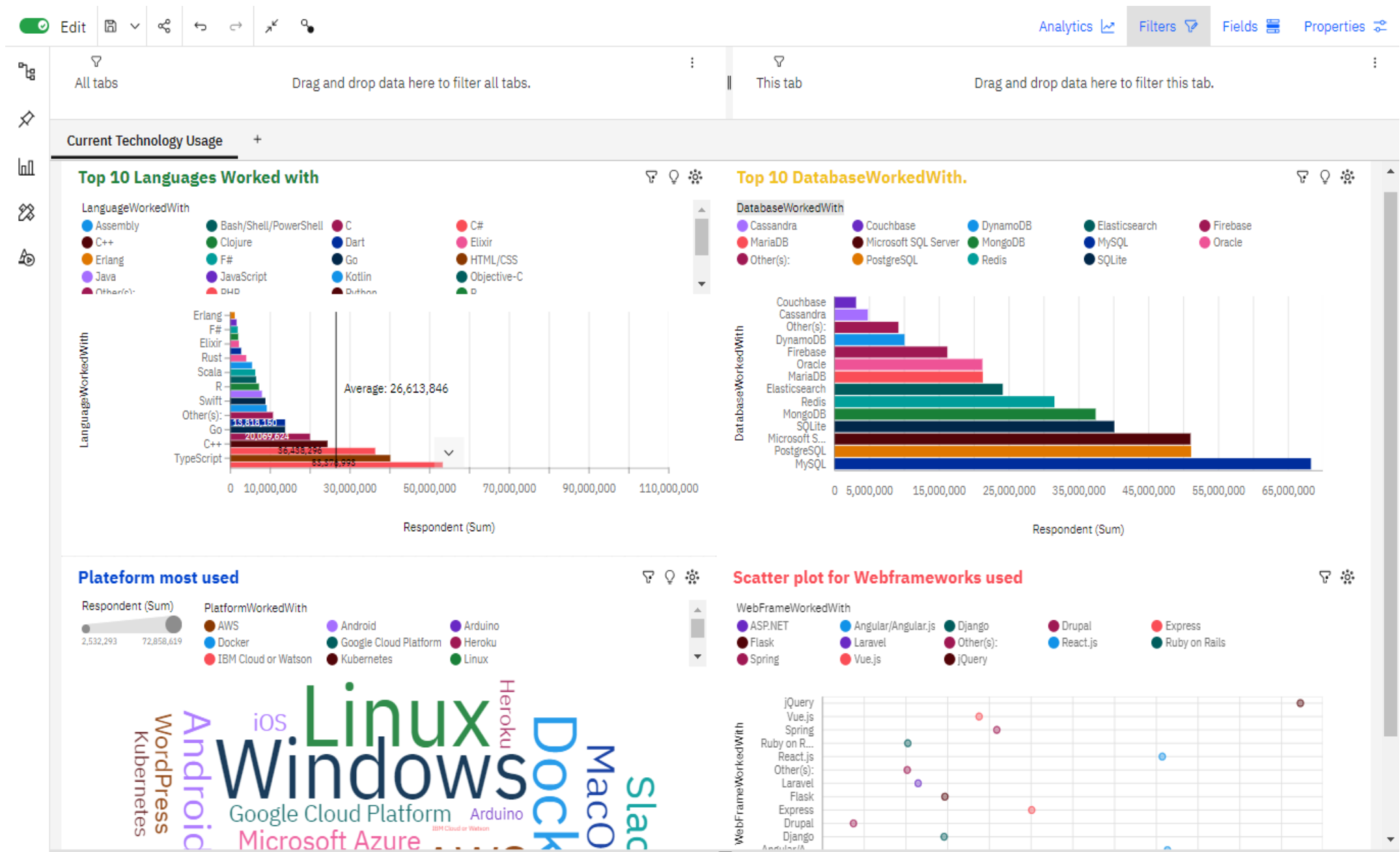
LAB-IBM Cognos Data Analytics for Customer Loyalty data, Demographics and Future Trends

Valluru Chakravarthy
30th June 2024

Brief Overview :-

These are the graphs and plots obtained by IBm cognos

Current technology usage

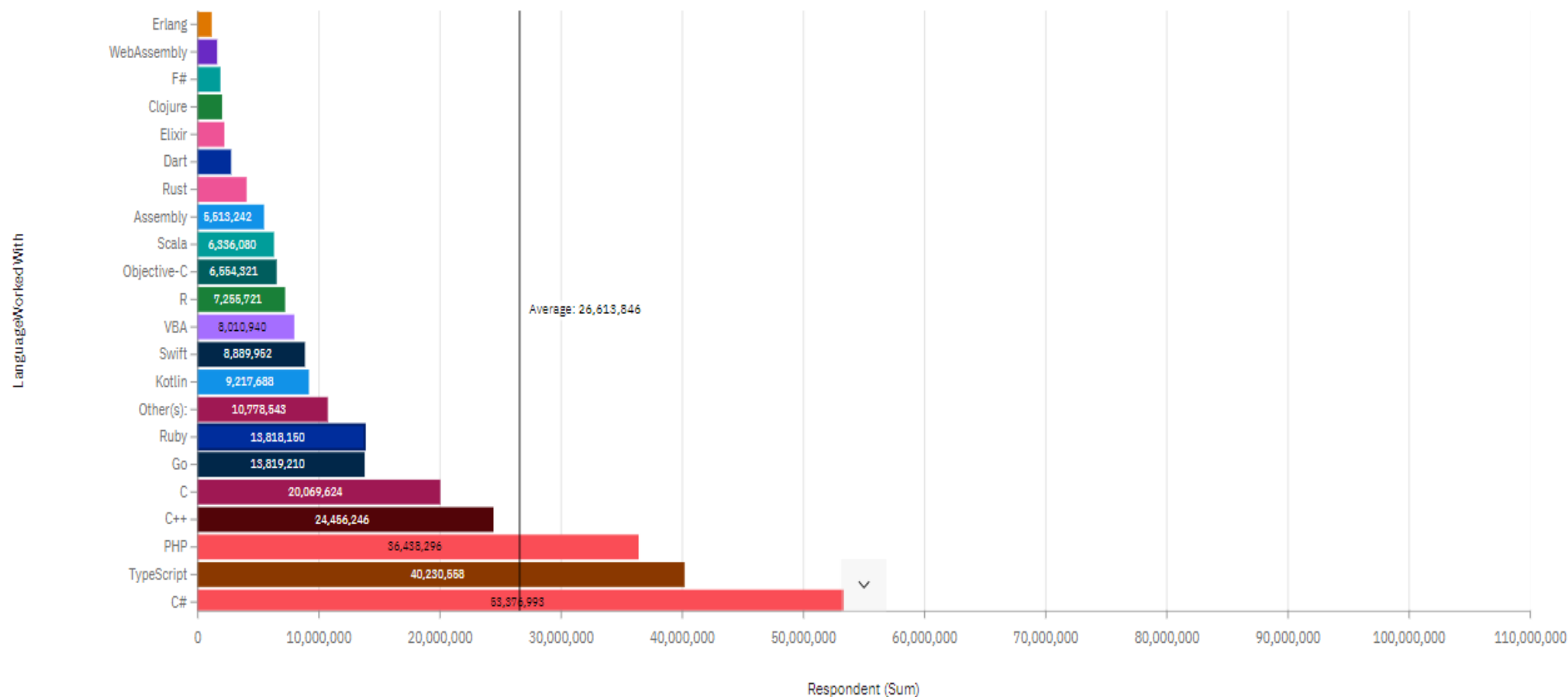


Plot-1)Top 10 languages used:-

Top 10 Languages Worked with

LanguageWorkedWith

Assembly Bash/Shell/PowerShell C C# C++ Clojure Dart Elixir Erlang F#
 Go HTML/CSS Java JavaScript Kotlin Objective-C Other(s): PHP Python R
 Ruby Rust SQL Swift TypeScript VBA VBA WebAssembly

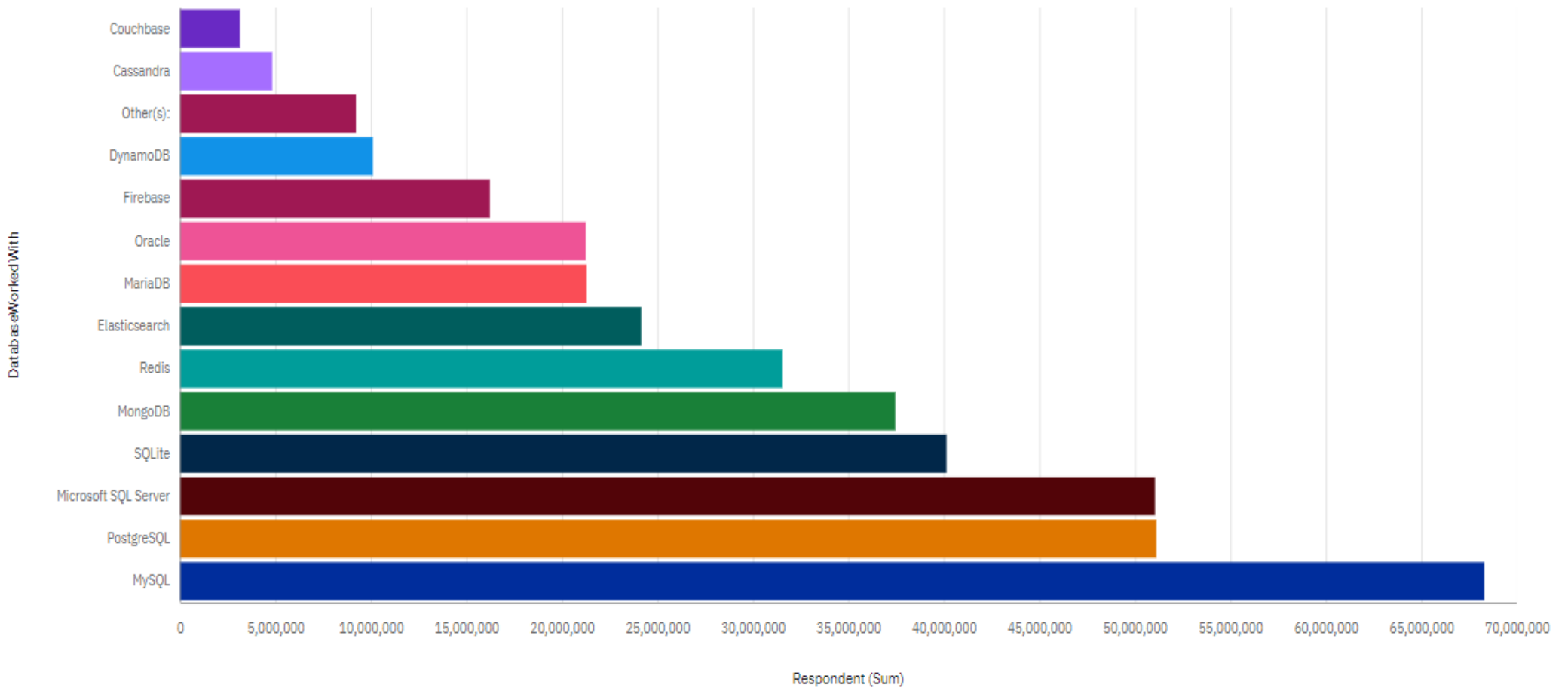


Plot-2)Top 10 Database to work with

Top 10 DatabaseWorkedWith.

DatabaseWorkedWith

Cassandra
Couchbase
DynamoDB
Elasticsearch
Firebase
MariaDB
Microsoft SQL Server
MongoDB
MySQL
Oracle
Other(s):
PostgreSQL
Redis
SQLite



Plot-3) Operating platforms most used

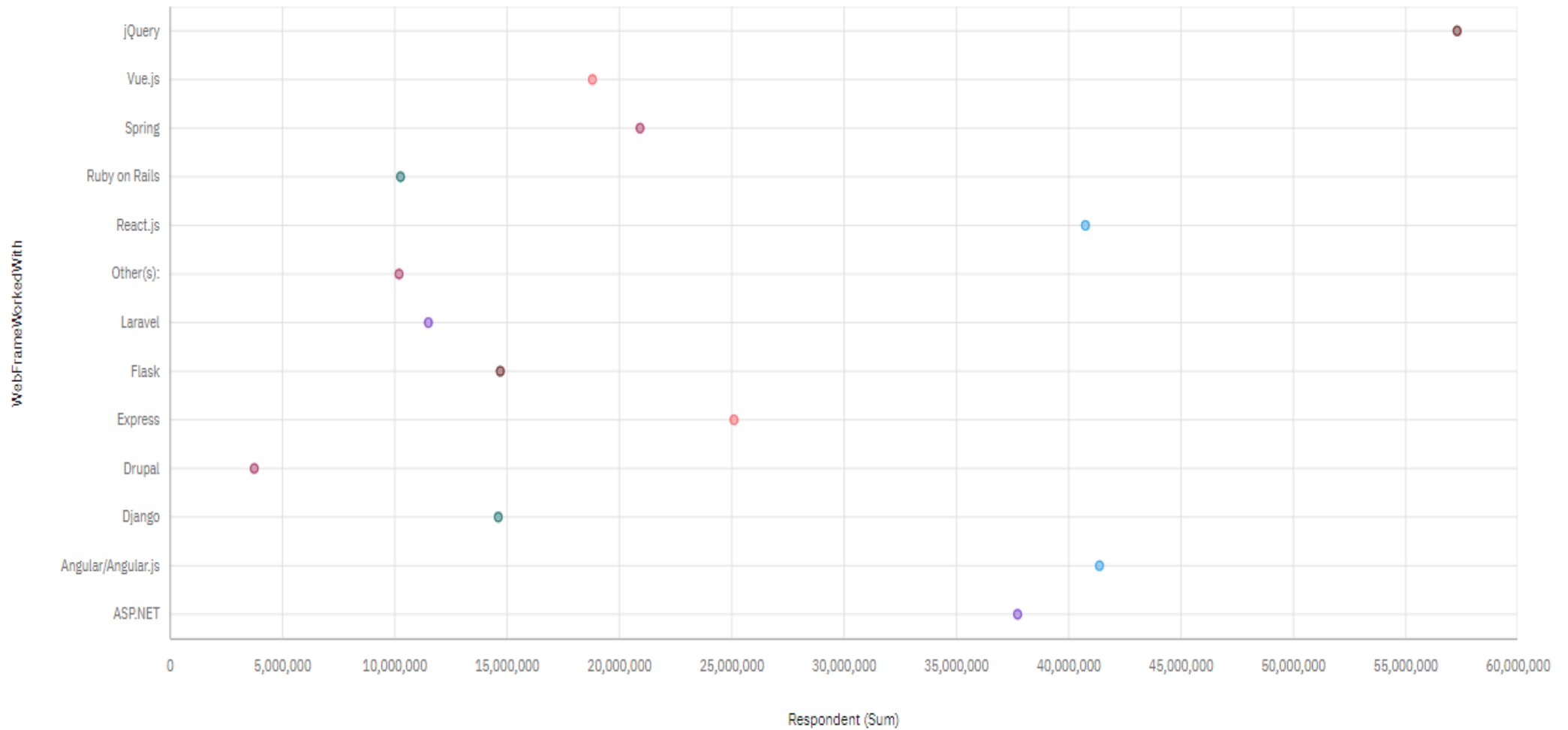


Plot-4)Scatter plot for we frameworks used

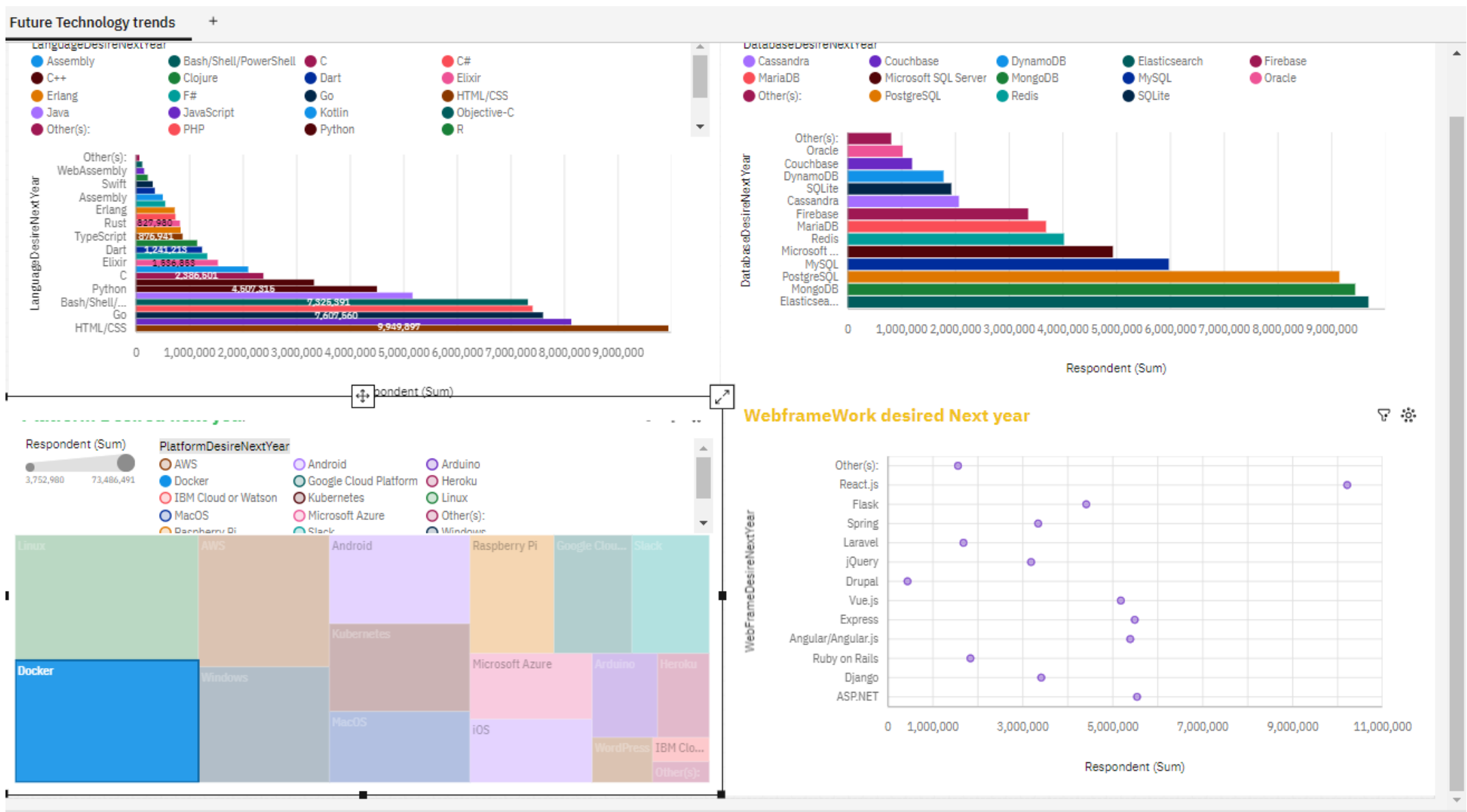
Scatter plot for Webframeworks used

WebFrameWorkedWith

ASP.NET Angular/Angular.js Django Drupal Express Flask Laravel Other(s): React.js Ruby on Rails Spring Vue.js jQuery

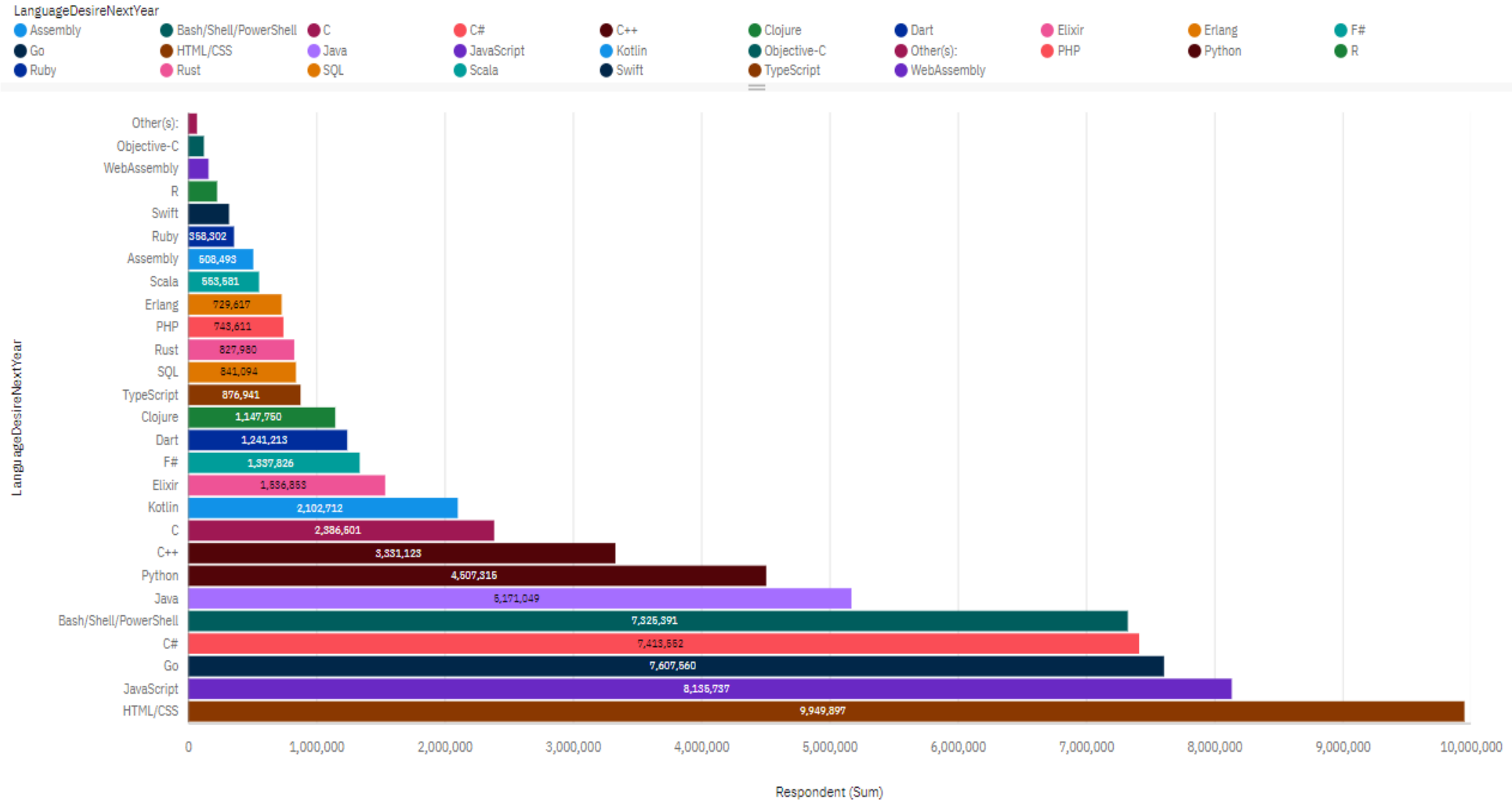


Future tech trends—



Plot-1) Top 10 desired languages

Top 10 Languages Desired next year



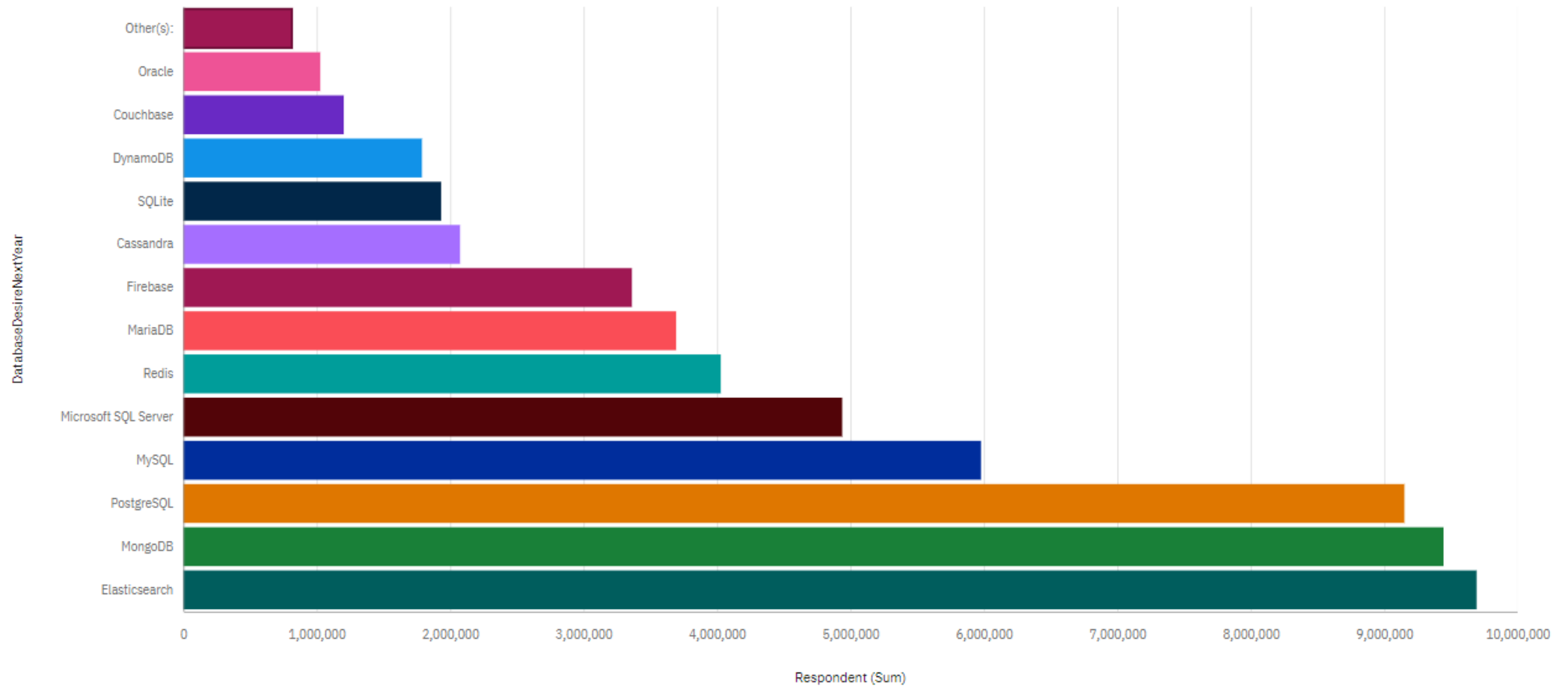
Plot-2)top 10 database next year

Top 10 DB desired next year



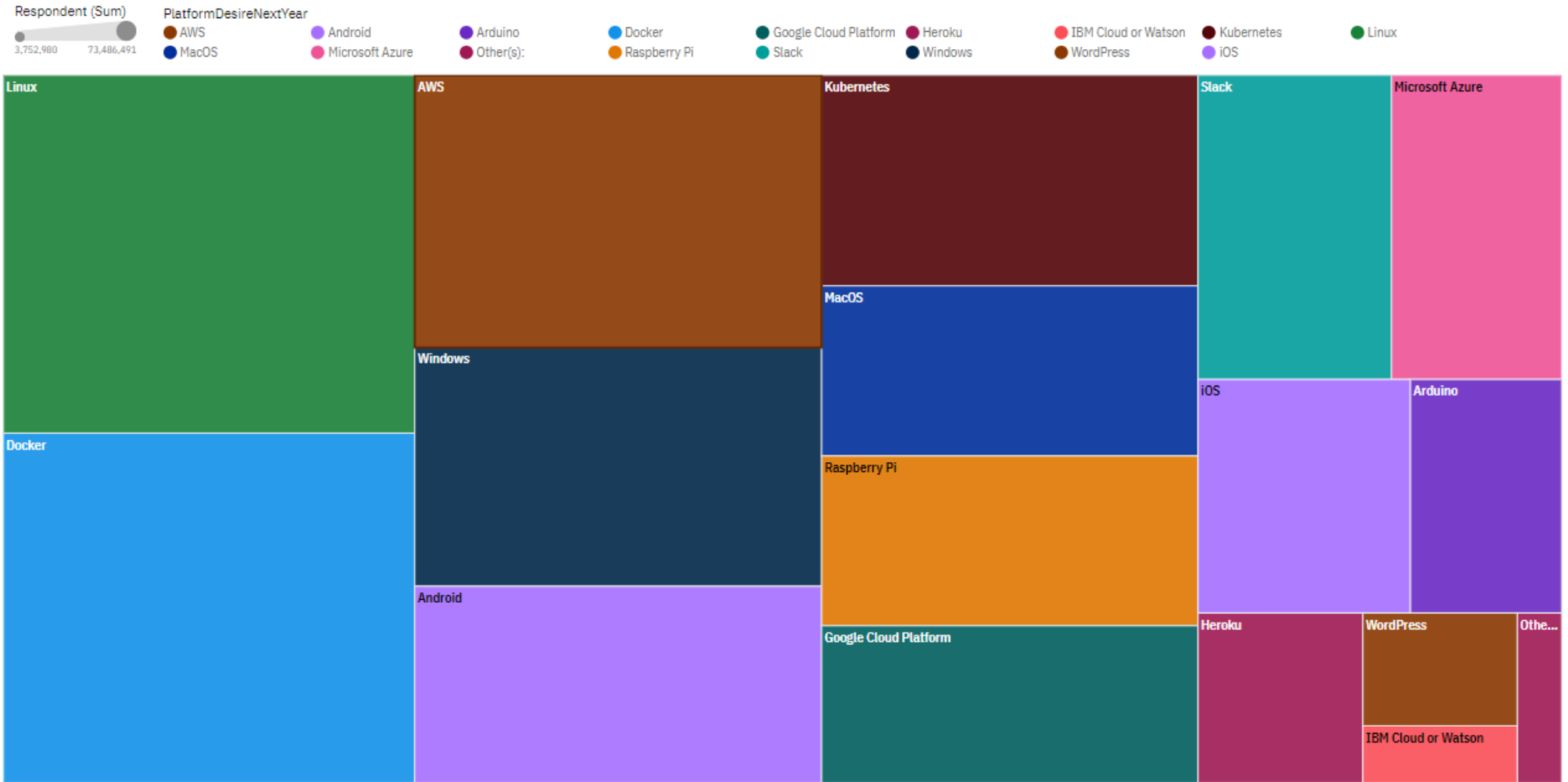
DatabaseDesireNextYear

Cassandra
Couchbase
DynamoDB
Elasticsearch
Firebase
MariaDB
Microsoft SQL Server
MongoDB
MySQL
Oracle
Other(s):
PostgreSQL
Redis
SQLite



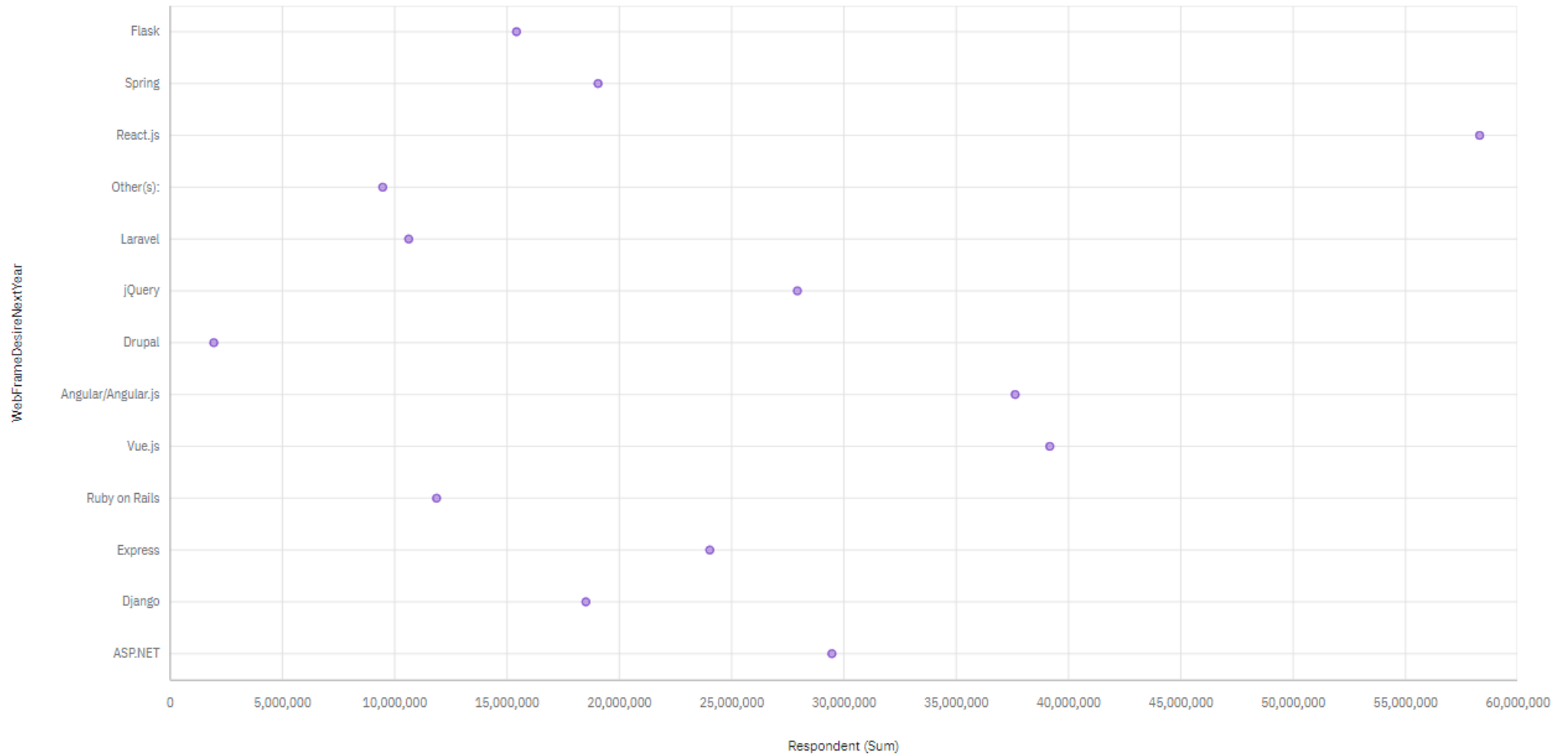
Plot-3)Top 10 platforms desired net year

Platform Desired next year



Plot-)Webframe desired next year

WebframeWork desired Next year

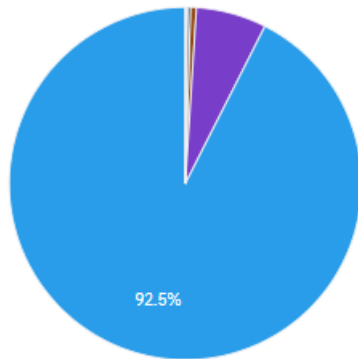


Demographics:-

Respondent classified by Gender

Gender

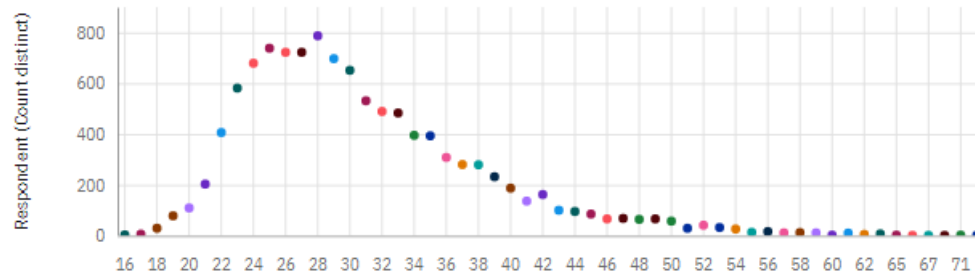
- Woman;Man;Non-binary, genderqueer, or ...
- Woman;Man
- Woman;Non-binary, genderqueer, or ...
- Man;Non-binary, genderqueer, or ...
- Non-binary, genderqueer, or genderqueer, or ...
- Woman
- Man



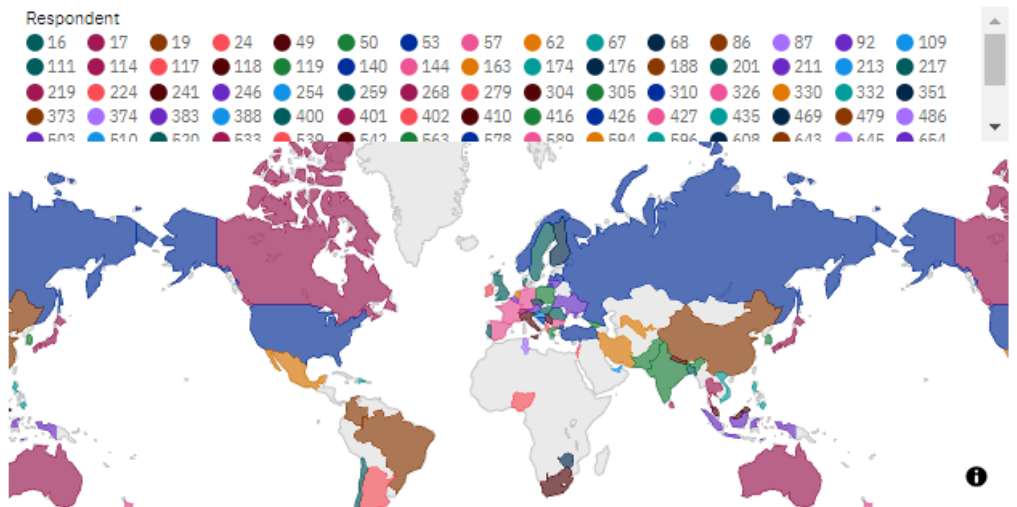
Respondent Count with Age

Age

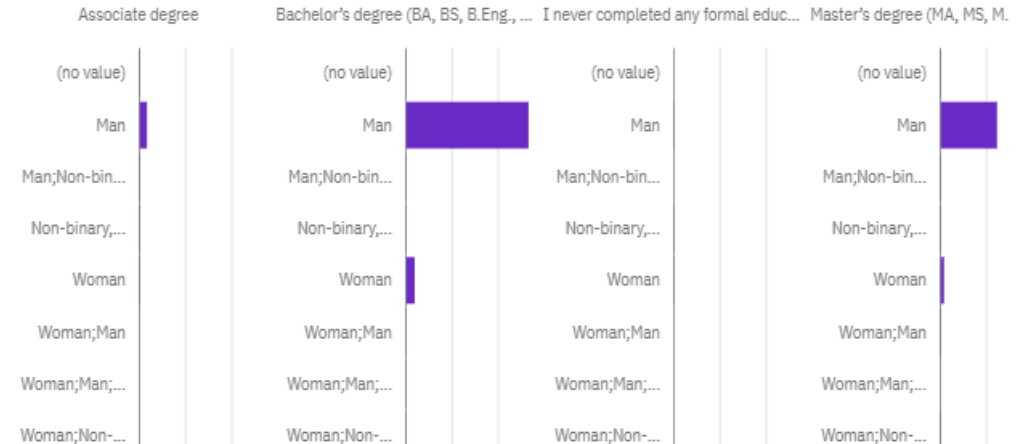
- 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72



Respondent Count with respect to Country



Respondent by Gender



Plot-1) Respondent classified by gender

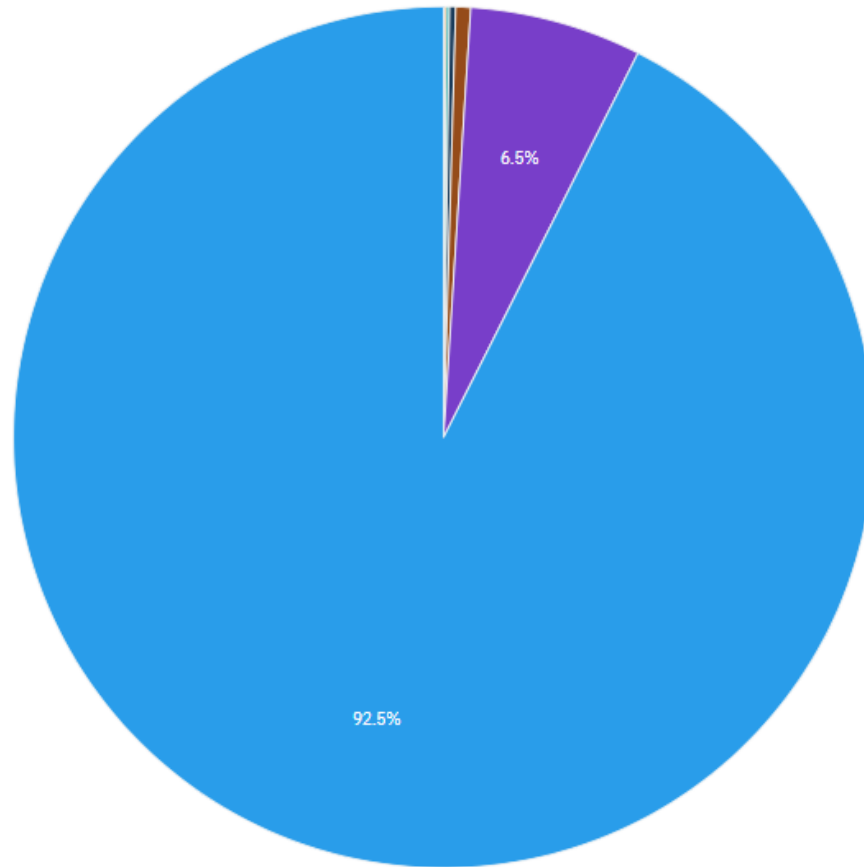
Respondent classified by Gender

Gender

Woman;Man;Non-binary, genderq... Woman;Man

Woman;Non-binary, genderqueer,... Man;Non-binary, genderqueer, or ... Non-binary, genderqueer, or gend... Woman

Man



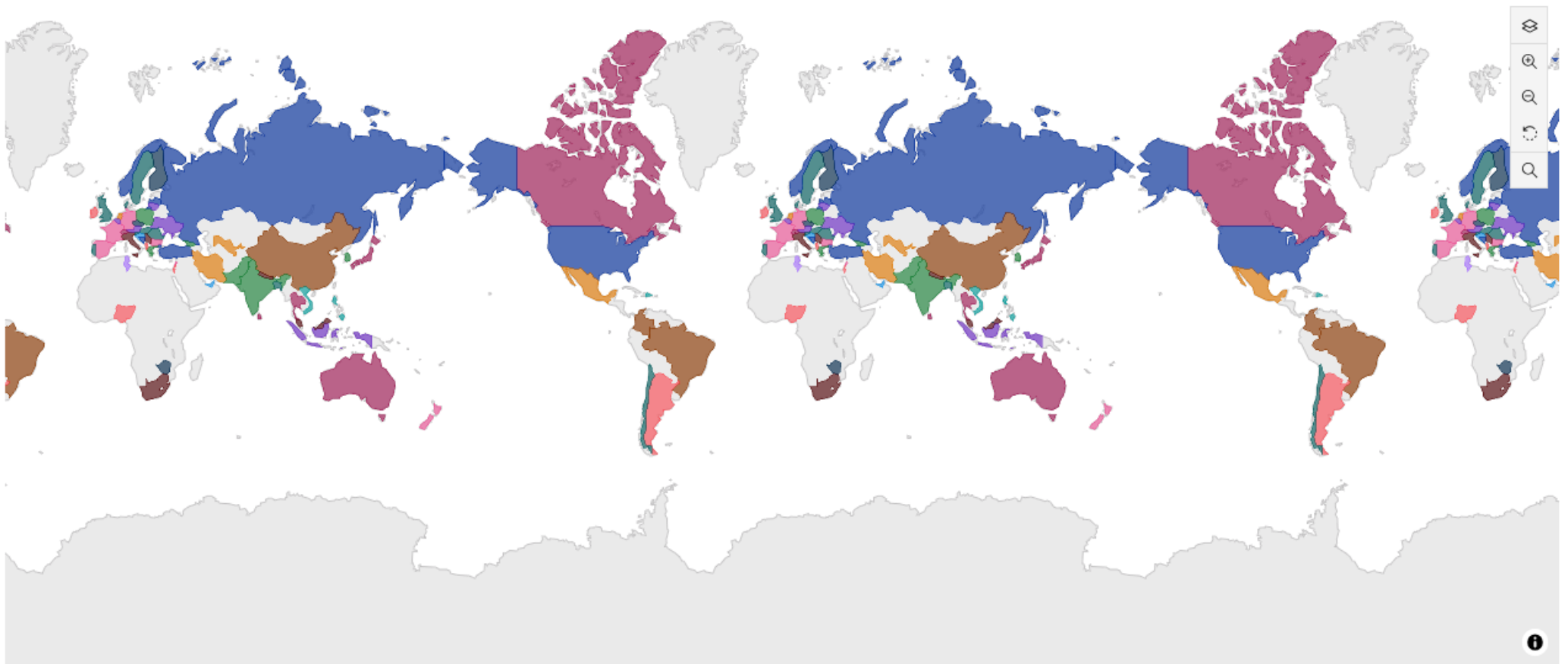
Plot-2)Respondent count wrt Country

Respondent Count with respect to Country



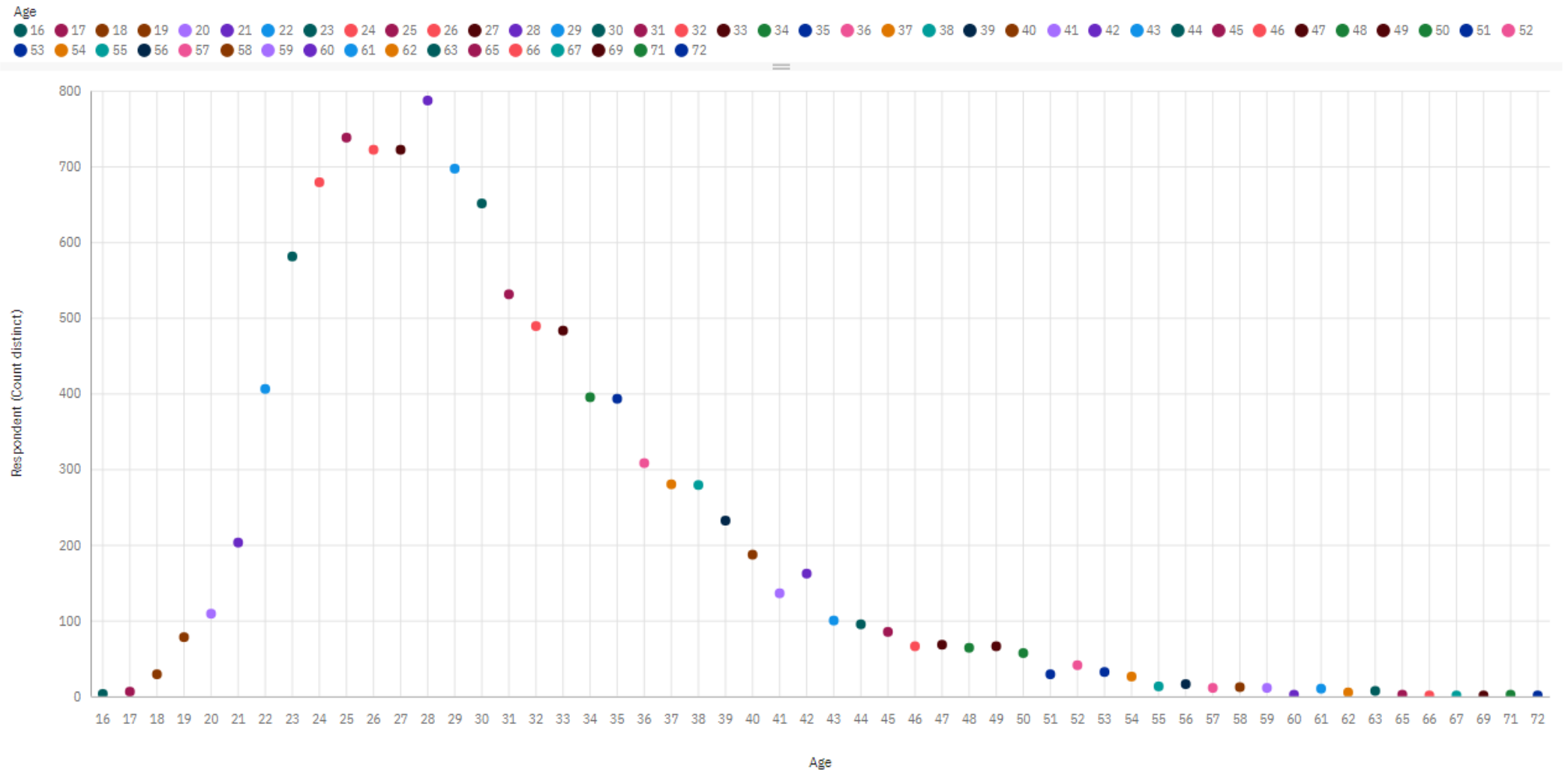
Respondent

16	17	19	24	49	50	53	57	62	67	68	86	87	92	109	111	114	117	118	119	140	144	163	174	176	188	201	211	213	217	219
224	241	246	254	259	268	279	304	305	310	326	330	332	351	373	374	383	388	400	401	402	410	416	426	427	435	469	479	486	503	510
520	533	539	542	563	578	589	594	596	608	643	645	654	667	679	680	685	689	696	720	721	725	729	736	753	760	774	779	781	799	829
837	844	859	860	878	890	...																								



Plot-3) Respondent count wrt Age

Respondent Count with Age



Plot-4) Respondent by gender further classified to Educational Level



