

Lab:-10

Analysis of BikeBuyer Data:

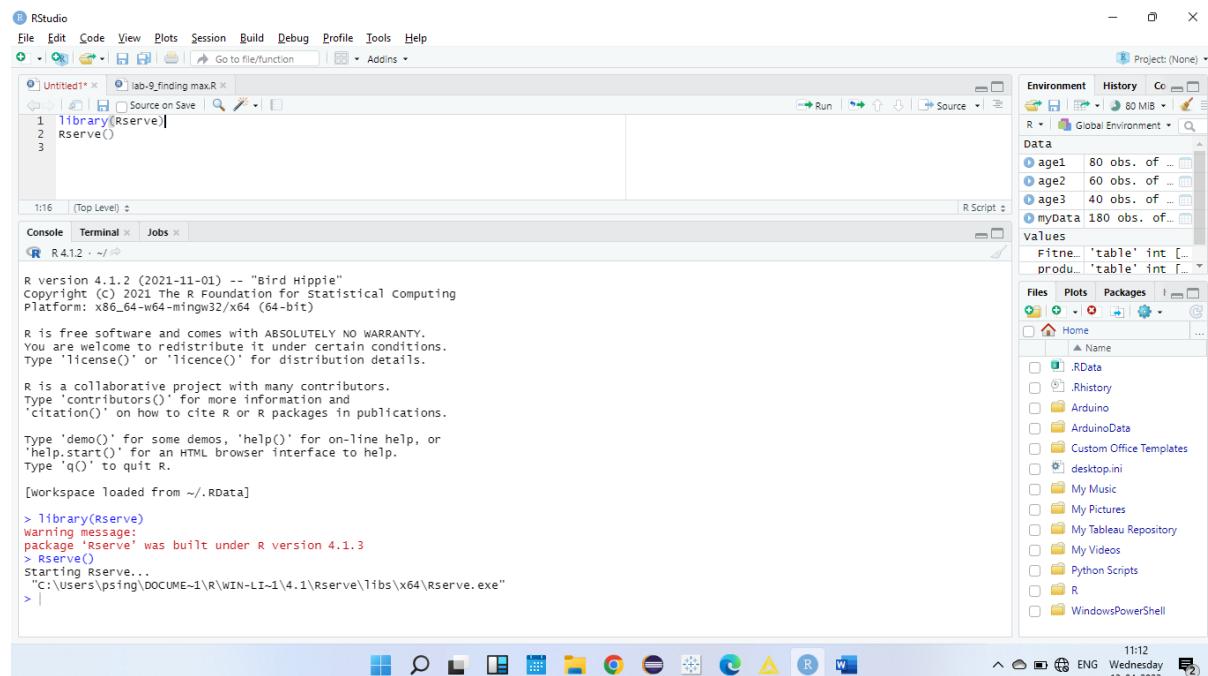
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Reg no:-19BCE1321

Question:-

You need to group or classify the given dataset based on the age, yearlyincome, cars and No. of children using R and integrate with tableau to visualize your output.

R studio



The screenshot shows the RStudio interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help, and Addins. The main area has two tabs: 'Untitled1*' and 'lab-9_finding max.R'. The 'Untitled1*' tab contains the following R code:

```
1 library(Rserve)
2 Rserve()
```

The 'lab-9_finding max.R' tab shows the R console output:

```
R version 4.1.2 (2021-11-01) -- "Bird Hippie"
Copyright (C) 2021 The R Foundation for Statistical Computing
Platform: x86_64-w64-mingw32/x64 (64-bit)

R is free software and comes with ABSOLUTELY NO WARRANTY.
You are welcome to redistribute it under certain conditions.
Type 'license()' or 'licence()' for distribution details.

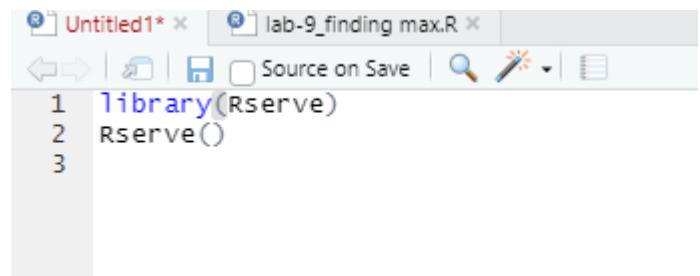
R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

[workspace loaded from ~/.RData]

> library(Rserve)
Warning message:
package 'Rserve' was built under R version 4.1.3
> Rserve()
Starting Rserve...
"c:\Users\psing\DOCUMENT\WIN-LI-1\4.1\rserve\libs\x64\rserve.exe"
> |
```

The right side of the interface features the Environment pane, which lists variables like age1, age2, age3, and mydata. The Files pane shows various folders and files on the local machine. The bottom status bar indicates the time as 11:12 and the date as Wednesday 13-04-2022.



This screenshot shows a smaller view of the RStudio interface, specifically the code editor for the 'Untitled1*' file. It displays the same three lines of R code as the main screenshot above:

```
1 library(Rserve)
2 Rserve()
```

Tableau

Connection with R

Manage Analytics Extensions Connection X



Edit RServer Connection

Require SSL

Hostname: 127.0.0.1 Port: 6311

Sign in with username and password

Username: Password:

Test Connection **Disconnect**

Close **Save**

Calculation field creation



OUTPUT

Cluster and its labels

Filters

Marks

- All
- SUM(Cars)
- SUM(Children)

Automatic

Color	Size	Label
Detail	Tooltip	Shape

Sheet 1

