Name :- Aniket Sable
Roll No. :- 54
Class :- TE(IT)
Practical 7A :- Perform the following data visualization operations using Tableau on Adult datasets.
a. 1D (Linear) Data visualization
b. 2D (Planar) Data Visualization
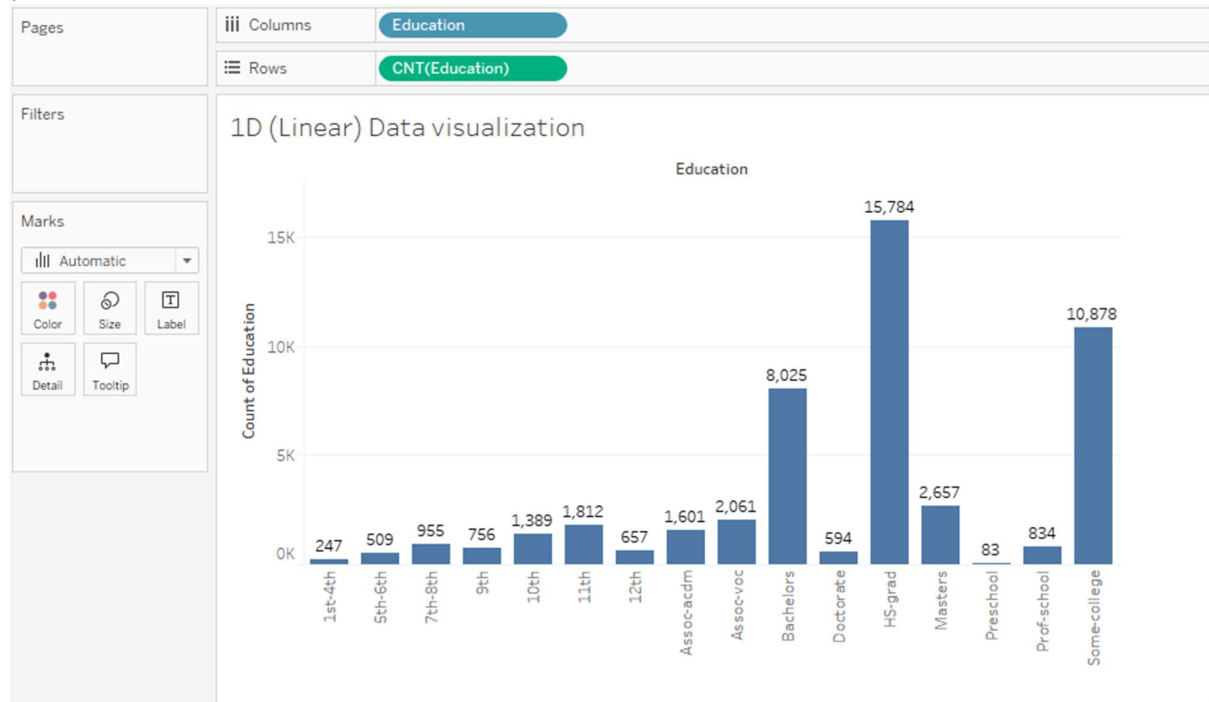c. 3D (Volumetric) Data Visualization
d. Temporal Data Visualization
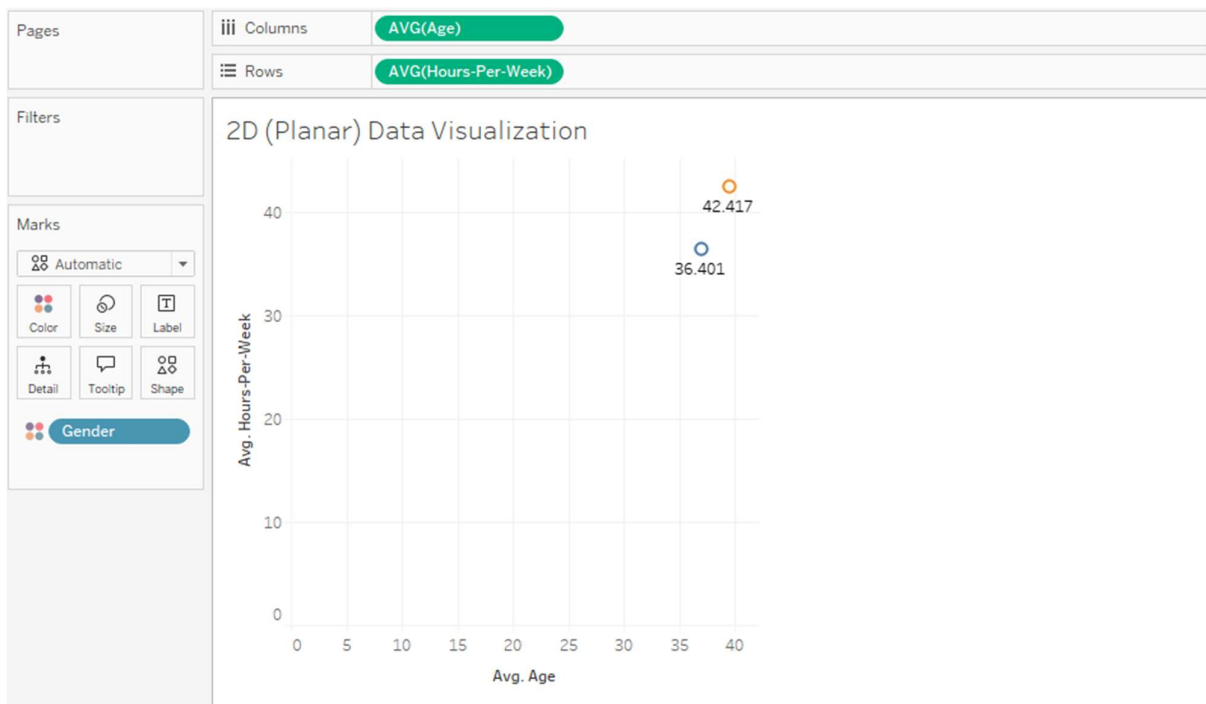e. Multidimensional Data Visualization
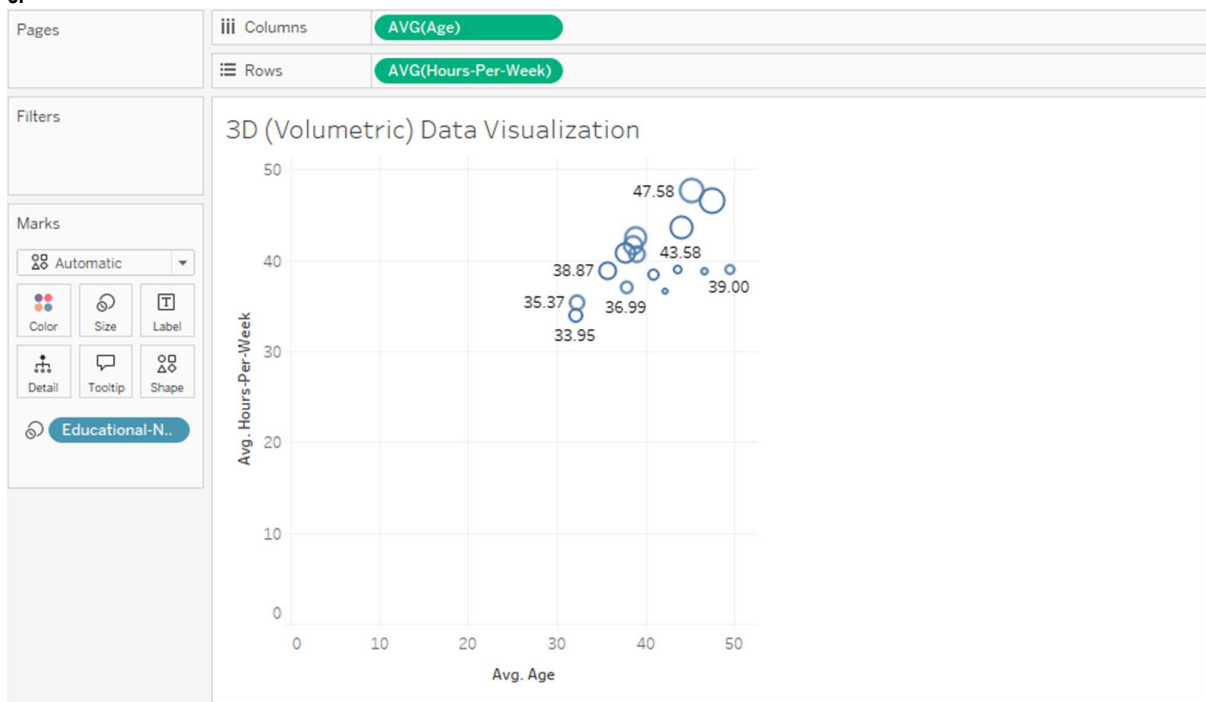f. Tree/ Hierarchical Data visualization
g. Network Data visualization

a.

b.

Pages

iii Columns AVG(Age)

≡ Rows AVG(Hours-Per-Week)

Filters

Marks

⚇ Automatic ▾

Color | Size | Label
Detail | Tooltip | Shape

⚇ Gender

2D (Planar) Data Visualization

42.417

36.401

Avg. Hours-Per-Week

40

30

20

10

0

0   5   10   15   20   25   30   35   40

Avg. Age

c.

Pages

iii Columns AVG(Age)

≡ Rows AVG(Hours-Per-Week)

Filters

Marks

⚇ Automatic ▾

Color | Size | Label
Detail | Tooltip | Shape

⚇ Educational-N..

3D (Volumetric) Data Visualization

50

47.58

43.58

38.87   39.00

35.37   36.99

33.95

Avg. Hours-Per-Week
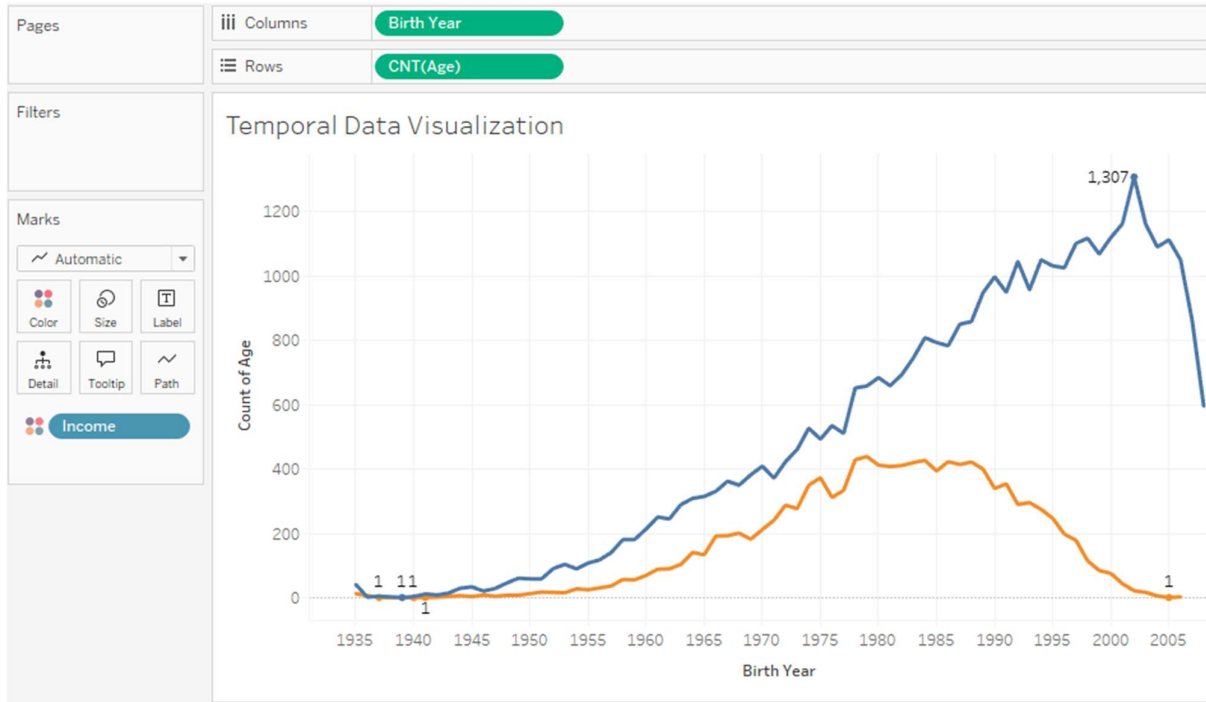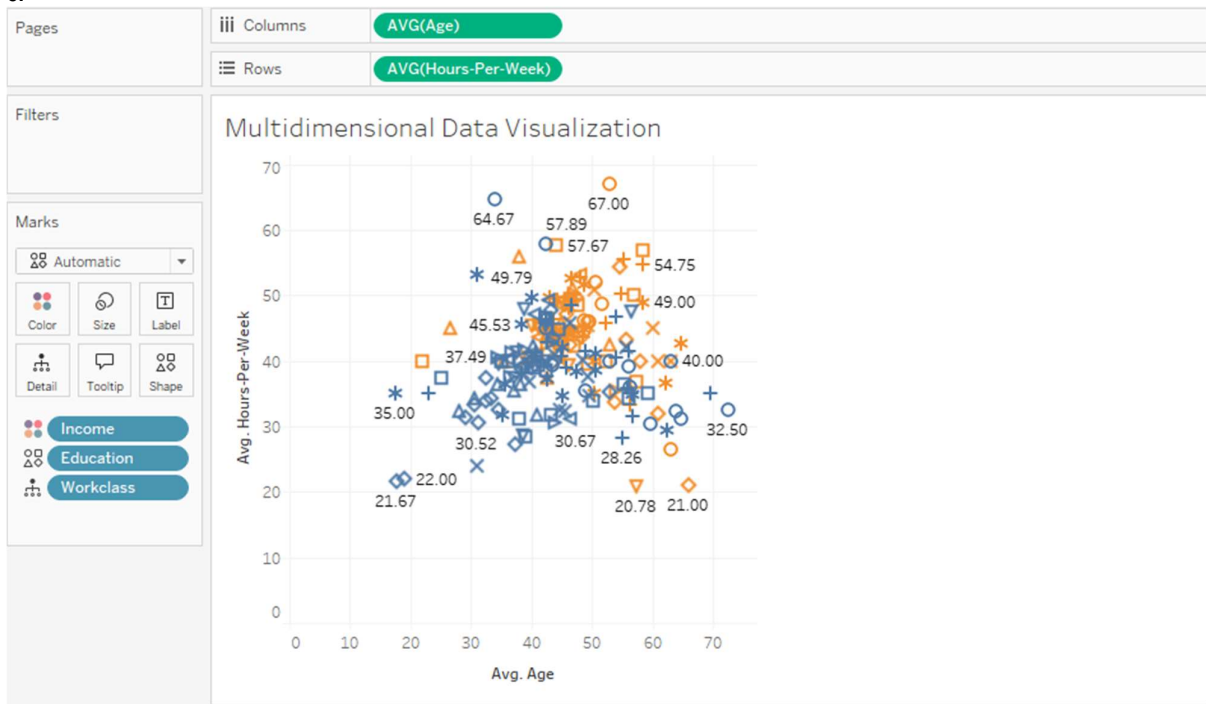
40

30

20

10

0

0   10   20   30   40   50

Avg. Age

For d, there is no time related data. So, we used create a calculated field with...
"Birth Year" = YEAR(TODAY()) - [age]

d.

e.

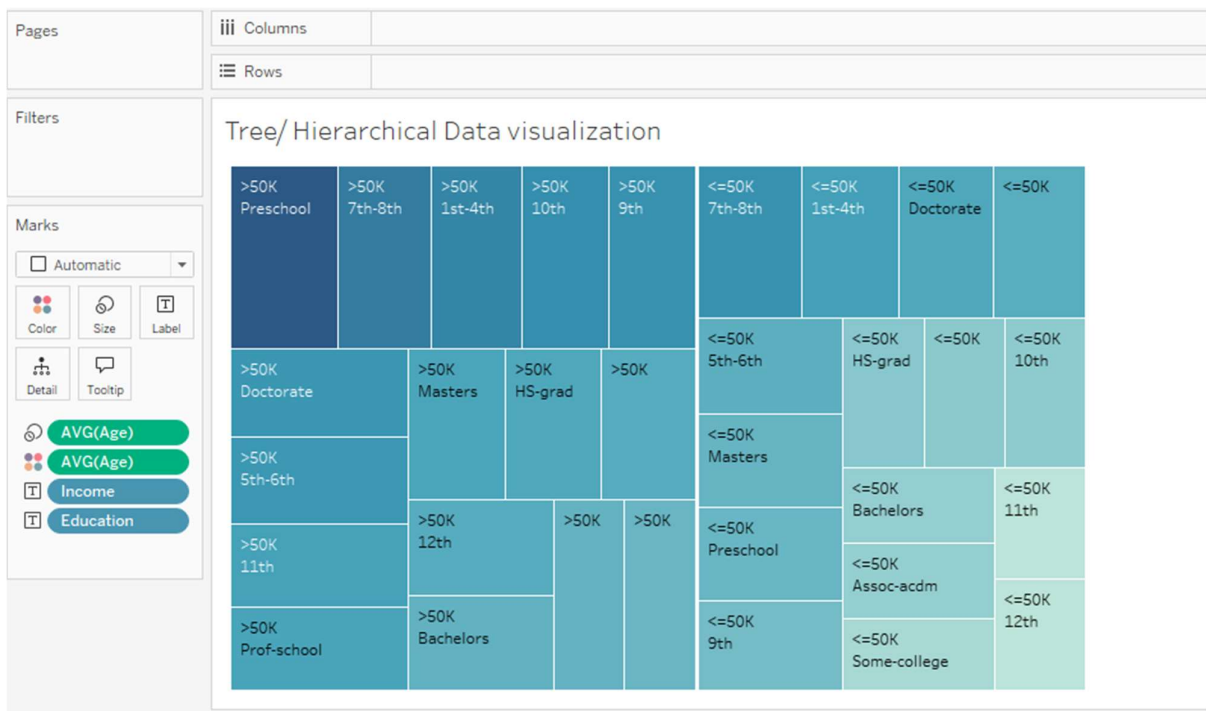**f.**

Columns

Rows

Filters

Tree/ Hierarchical Data visualization

>50K Preschool	>50K 7th-8th	>50K 1st-4th	>50K 10th	>50K 9th	<=50K 7th-8th	<=50K 1st-4th	<=50K Doctorate	<=50K
>50K Doctorate	>50K Masters	>50K HS-grad	>50K	<=50K 5th-6th	<=50K HS-grad	<=50K	<=50K 10th	
>50K 5th-6th				<=50K Masters				
>50K 11th	>50K 12th	>50K	>50K	<=50K Preschool	<=50K Bachelors	<=50K 11th		
					<=50K Assoc-acdm	<=50K 12th		
>50K Prof-school	>50K Bachelors			<=50K 9th	<=50K Some-college			

Marks

Automatic

Color   Size   Label

Detail   Tooltip

AVG(Age)
AVG(Age)
Income
Education

For g, we have used external extension "Network Diagram".

g.

Pages

Columns

Rows

Filters

Network Data visualization

Highlighte

Color Legend
- ?
- Adm-clerical
- Armed-Forces
- Craft-repair
- Exec-managerial
- Farming-fishing
- Handlers-cleaners
- Machine-op-inspct
- Other-service
- Priv-house-serv
- Prof-specialty
- Protective-serv
- Sales
- Tech-support

Marks

NetworkDiagram

Source   Target   Value

Detail   Tooltip

Format Extension

Occupation
Relationship

ShowMeMore Free allows all functionality in Tableau Desktop and web authoring for demo and test purposes. It is not enabled for viewers of publish dashboards.