This document explains only about contents we discussed under each experiment for exam purpose

Exp6 : Foundations for building data visualizations, Creating first visualization

1. What is data? Where to find data
2. Importance of data visualization
3. What is data analysis?types of analysis?

1.descriptive analysis

2.diagnostic analysis

3.predictive analysis

4.prescriptive analysis

d. types of data(qualitative and quantitative data)

Exp7 : Getting started with tableau software using data file formats, connecting data to tableau, creating basic charts (line, bar charts, tree maps) using the show me panel.

1. Explained about tableau tool and its options
2. How to import data to tableau,how many ways are there to load data into tableau

1.live connection and 2.extract connection and what is the difference between them

c. Explained about different charts and when to use which one?

1. Tables

2. Bar chart

3. line chart

4.scatterplot

5. treemap

d. we discussed about what is

1. what is dimension and measure in tableau ,how to identify them

2. what is discrete and continuous field and how to identify them in tableau

3. discussed about showme panel

4.how to draw visualization charts in tableau

Exp8 : Tableau calculations, overview of SUM, AVG and aggregate features, creating custom calculations and fields

1. We discussed about calculated field ?why we required
2. Types of calculated field

1.basic calculations(row level and aggregate level)

2.lod expression(level of detail) {fixed,include,exclude}

3.quick table calculations

c. overview of aggregate functions

d. how to use calculated field in visualization

Exp9: Applying new data calculations to visualizations, formatting visualizations, formatting tools and menus, formatting specific parts of the view

a.formatting visualization and its options

1.font

2.Alignment

3.Shading

4.borders

5. lines

b.where the options present for format .how to select field for formatting

1.what is default option in formatting,sheet ,row and column

2. totals and grandtotals how to add them to sheet and format them

c.annotations (assignment) what is annotation,where we use it?

Exp10: Editing and formatting axes, manipulating data in tableau data, pivoting tableau data.

1. We discussed about what is axis and header in the chart . how to create them?
2. We discussed about how to hide and unhide the axis. Sorting the axis
3. Edit axis option

1.general

i.range

ii.scale

iii.axis title

iv.include zero option

2. tick marks

i.Major tick marks

ii.Minor tick marks

1. Pivoting data why we required?
2. What is long data and wide data ?why tableau prefers long data(assignment given)
3. Manipulating Data

1.how to load data

2. what is canvas

3.how to create relationship between two tables

4.how to split a column

5.data types of tableau and how to modify them

6.sorting the data

g. sorting axes

Exp11: Structuring the data, sorting and filtering tableau data, pivoting tableau data

1. Need for structuring the data
2. How to achieve data structuring in tableau

1.sets,groups, bins,hierarchy,sortin

Exp12: Advanced visualization tools: using filters, using the detail panel, using the size panels, customizing filters, using and customizing tooltips, formatting data with colors.

1. What is filter and use of it
2. Types of filters

i.extract filter

ii.data source filter

iii.context filter

iv.filters on dimension

v.filters on measures

c. what is marks card ,use of it?

i.definition of marks

ii. mark type

iii.color option in marks cards

iv.size option in marks card

v. label,detail,tooltip,path in marks card

Exp13: Creating dashboards and storytelling, design for different displays, adding interactivity in the dashboard, distributing, publishing data visualization.

1. What is dashboard,use of it?
2. How to do basic formatting in dashboard
3. Types of options available in dashboard
4. How to add interactivity to dashboard
5. How to publish dashboard

Exp14: Creating custom charts, cyclical data and circular area charts, dual axis charts.

1. What is custom chart ?
2. How to draw custom chart in tableau?
3. What is dual axis?how it is helpful?
4. What is circular area chart? Cyclical data