BI Assignment 142

A sim :- To per form the multidimensional data an alysis on given dataset.

• Data Visualization of given dataset

theory;

· Brief theory on Multidimensional cube and various operation on cube

A cube is a multidimentional structure that contains information for analytical purposes; the main constituents of quine are dimension and measure. Dimensions define the structure of the cube that you use to slice and dice over, and measure provide aggregated numerical value of interest to the end user. As a logical structure, a cube values of measure, as if they were contained in cells in the cube; cells are defined for overy possible is defined by the intersection of dimension members and contains

the aggregated values of the measure at that specific intersection.

Various operations on cube are;

1] Roll-up
2] Prill-down
3] Slice and dice
4] Pirot Crotate)

- or "aggregation". The Roll-up operation can be performed in 2 wags
 - 1. Beducing dimensions 2 climbing up concept hierarchy
- 2) In Drill-Down data is fragmented into smaller parts. It is the apposite of roll up process. It can be done vio
 - · moving down the concept hierarchy.

 · Increasing a dimension

3) Slice;

Here, one dimension is solected and a new sub-cube is created

Dice:

this operation is similar to a slice.

The difference in dice is your can select

2 or more dimensions that result in the

creation of sub-cube.

To pivot, you rotate the data axes to provide a substitute presentation of data

* Input: Datoset

" sample - coffee chain dataset

" sample - Superstore dataset

" Top Baby Norms Datoset

* output: Data analysis and visualization by using various measures

conclusion: Hence learned the data analysis and visualization using Tableau tod

a List out widely used BI tools in sn dustry.

=) 1. Datapine

2 SAS Business Intelligence

3. clear Analytics

4. SAP business objects

5. DOM6

6. micro stategy

Good Data

8. JBV (ognos analytics

=> 1. sales Intelligence

Visualization

3. repossing 4. performance Management