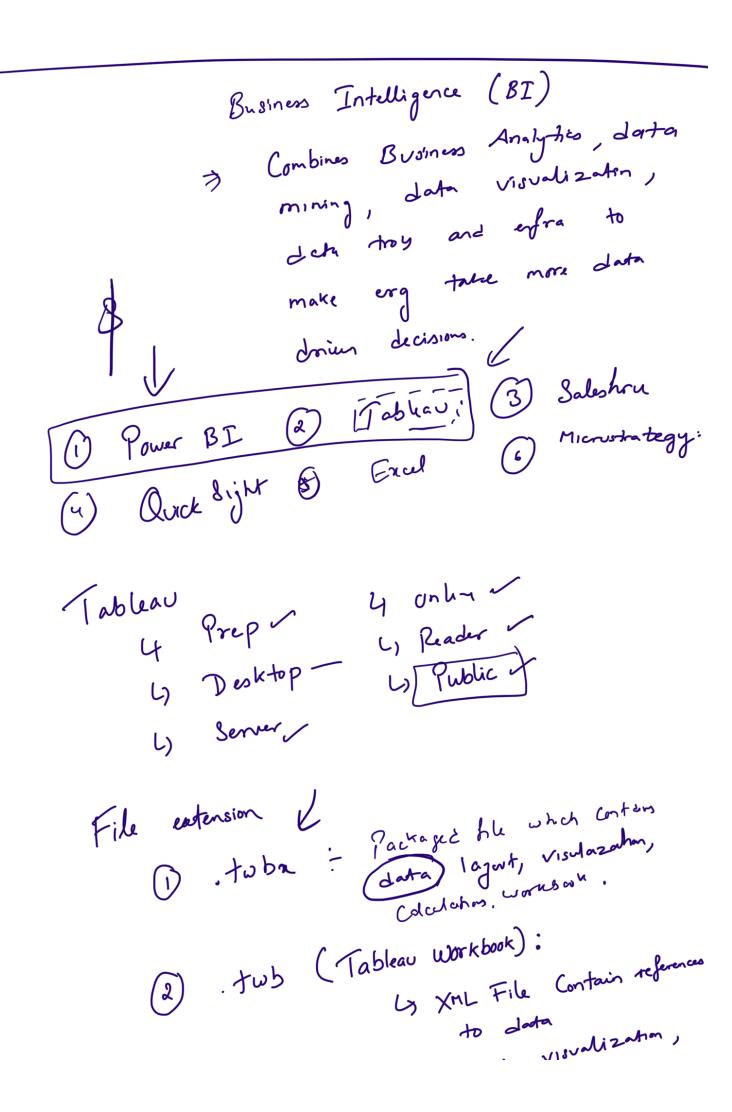
Tab: Intro to Data Visualization, Basic Charts and Operations |Lecture

- Tableau Basics
- Why choose Tableau?
- Tableau Product Suite
- Download & Install Tableau
- TWB vs TWBX file format
- Tableau Public GUI
- Data Fields
- Data Types
- Measures & Dimensions
- Discrete vs Continuous fields
- Rows, Columns, Marks shelf
- Visual Analytics
- Data Connections in Tableau
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 - Extract connection
- Aggregation on Dimensions and Measures
- Basic Charts
 - Line chart
 - Bar chart
 - Pie chart
 - Histogram
- Cleaning and Formatting data for analysis
 - Data Interpreter
 - Pivoting Data
 - Data Source Filter
- Introduction to Summer Olympics dataset

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Colculation, workbook

edithals.

Tableau Data Types

Data Type	lcon
String values (Text)	Abc
Integer values (Numbers)	0#
Date values (DD/MM/YYYY or MM/DD/YYYY)	
Date & Time values	©
Boolean values (True or False; relational)	TF
Geographic values (Region, Postal code etc.)	
Cluster group or mixed values	0 22

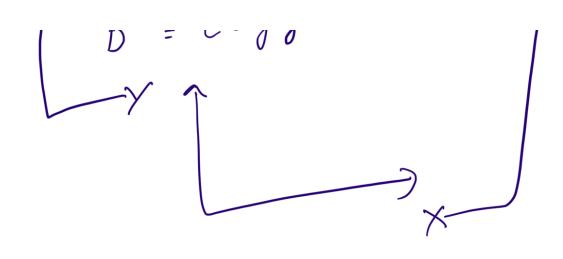
Measures		Dimensions
a dependent rando of value is a of or more hild which humanic in nature years how	Junction 4 E	is a field that Ca be derne as Independent Vanable decept numbers, everything valitation
Col-name Customer Name Order Date Order Date Order Date Order Date order Date employee Id employee Count	M X X X	D X

and Continous hields

Discrete	(Blue) (D)	Continous (Circen) (4)
- Individual,	Separate or	-> unbroken, whole or without interruption.
distinct C.N.	Amit	Sals Revenue -> 100 1001 1001 (101)
-> Used ho ?	rouping, Alterny	-> var to Calcalchos, treads and aggregation.
Col-nam	Type (D/M)	DIC
1) Prost Margin 2) Region 3) Discount to 4) Order Date	M D M	

Determine the total sales value of each category.

An. Pales X



Visual Analytics

1) use of 80p M3 th cate touls and processes to analyte data set processes to separath of viry visual separath of Data.

- lu	Extract
-> Connects directly to DB and fetch real time	
data. Always up to date, reflecting red time changes	-> static, needs to represent
reflecting the	

Determine the average sales value of each category.

Determine total number of products within each category.

An. 3
$$M = Pooluts = Y$$

$$D = Cotegn = X$$

Business problem 3 : Find the product category that has the highest sales throughout most of the years.

Find the year and month that had the highest and lowest sales.

An. 5
$$M = Sales$$
 X

$$D = Dote X$$