Dats Pags

Unit-5

- Aggregation in data mining is the process of yending, collecting and presenting the data in summarised format to purjorm italistical analysis of business ichemis.
 - Aggregated data helps in solving reational problems which . reduce time In solving queries from dataset.
 - when data is colleted from various nources it is necessary to get created information.
 - -> Data aggregator are system that collect data prom numerous sources then process and repackages them to unjul data packagi

teep in query and delivery process when automes sequests.

working of data aggregator -Collection of dela

· Collecting - collect jum various Processing of Daty

Presenting of Dala & Al algo · Presentation - show summarised data to user

Can be done manually of automatically

Types of data aggregation

1) Time - provide data point for single revowed for defined time. 2) spatial - provide data point for group of revowus for

defined time.

- Time intorval for data aggregation - Reporting period - One day Spatial & Guanularity period - month.

Polling period - Every 7mm

- Application - Ecommerce, travel

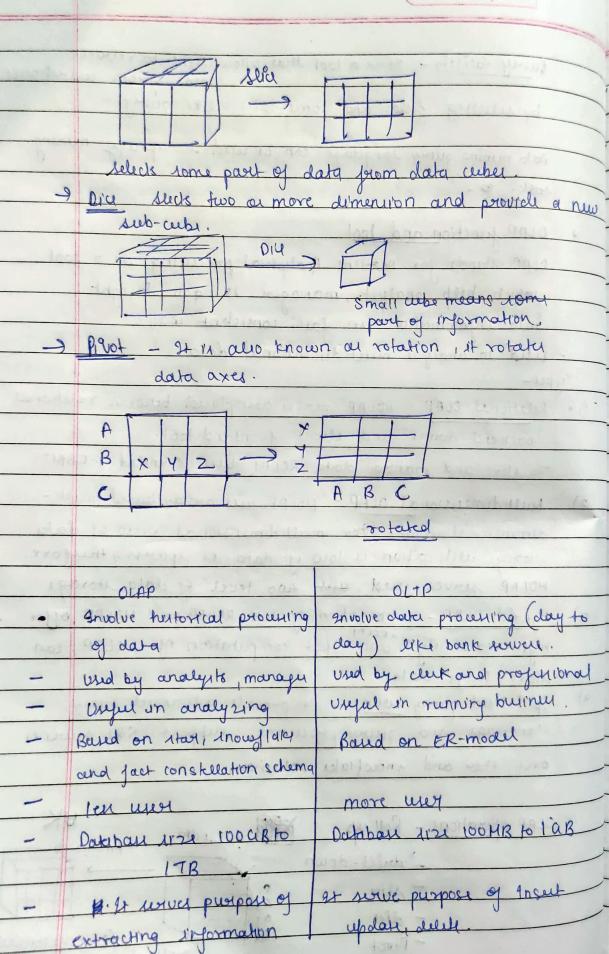
business analysis.

Historical information - It is used to build model using this new response can be generated based on purious data. Ex-credit card grand.



double down

guery facility - It in a tool that allow went to retrieve by selecting field and some cases like Data mining query language can be used to sprayy mining Jask- \$. + OLAP function and tool OLAP stands for on-line Analytical processing is a tool which help analyst, manager to gain insight into information in fait, consistent way. - used to analyze much dimensional data Typer-1). Relational OLAP - ROLAP server and placed between relationed backend lower and client prontend tool. To store and manage data ROLAP usu extended RDBMS 2) hultidimensional OLAP - HOLAP my avoidy based multidimensional engine for multidimensional view of data. storage utilization u low if data is spores, they are HOLAP server used und two level of data storage. high realability of and just computation of MOLAP, can store large data Specialised query server - It provide advanced query language and query processing support SSL queries over itax and anowflake ichema. London ochi OLAP operations - Roll up - dull-down - slia - dra - Pivot



- data mining interpart
 - data mining intry and provide medium that allows upon to communicate with data mining proun.

 At baircally user Intoyan when we see chart, graphs, as virtualish the data to see result of mining. prouse.
- He objective of data mining in to make languary acceptible to whom without compromising rewrity and data early acceptible to whom without now have no it is sequenced to security patient to appet performance of the data warehouse.

Morehouse has gone live.

security appers following feature - user a cust

Data toading

- Backup - A backup in copy of data from database.

Backup can be physical and logical backup.

Physical backup include physical datafiles, control file.

logical backup contain logical data (ex-table or

providences).

- Recovery Recovery its retrie rectoring data which could be lost due to any hardware failure or any other 1550.
- Turing data wavehouse A data wavehouse keeps evolving and it is unpredictable what query uses is going to post in juture.

	Dato Pags
-	defficulties in data wavehouse tuning
	data wavehouse su dynamic
•	aifficult o predict query.
0	Business requirement keep charging.
•	data upload on wavehouse also change with time.
	Data load tuning - If there i've delay in transpersing dates them rightern get affected to data load u's
	d'important
_	Integraty check - Integraty system avoid payormana degrady
	of data load.
-4	ye or sturbal phonon or business in that
	Testing - Testing is simportant for data wavehouse system
329	for data validation and to make them work correlly
	and eguinety.
_	Unit testing - Each component module is tested
-	Integretain testing - An other testing all module over combined and then tested. done to detect facult
	and then tested. done to detect javet
	in integrated modules.
-	System tuting - form of testing that validates and test
. 413	whole data wavehouse application.
	a segment plan inval faminary guyana segment
	(garalana)

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