Dunbeater Page No.

1 carologo Uni+ S. O What is date Mining Explain? Data mining is one of the most useful techniques that help enterepreneurs, greachers and individuals, to extract Voluable information From huge Set ob Dato mining auso carred Knowledge discount in datobose (KDD) 3 The Knowledge discovery Porcess including Data Clearing, Data integnation, Data Selection, Data transformation, 1 Dato mining Utilize Complex mathematical the Psychobility of Future event Business Identify Moder Por lare Evolvate data



	Ebare: 1 1 3
5) The days can be structured, som	1 - 5-190010
on Unstructured and can be stored	
Various Froms Such as database	
Workhouse and data lakes	
@ The Primary good of dato too h	ining is
to discover hidden Pattons and Die	vationships
in the data that can be used to	make
informed decisions on Predictions	, Aurilian
	COEL Levi
* Next Four Step From Dook *	
	9 54 ii
O Dago Selection (Book)	
@ Dato Cleaning	
(3) Data Mining	
(4) Evalution	

All the second s

Tearning Book Histopens. 2) What is date Watehousing explain 10 Dayo Workhouses are relationa envisorments that one used For days Onavsis, Particularly of historic data Dongonizations use data watch-usos to disc Pattons and Frai Felationships in their due that dever over time. 3 Dato Wathouse is a Julational database the requirement of the onsacrim Processing

DNex

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3) Explain metodato in daso washousing?

D'Metodata is data that describe and Contextualies other data.

DI+ Provides information about the content of Structure and other characteristic of data and con be used to improve the organisation, discoverability and accessibility of data.

B Metedado con be Stored in Various formis Such as text XMI or RDF and con be organized using metodato Stondards

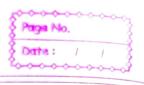
that have been developed to Focilitate
the caration and management of metodate

El Metodato Schemos define the Staucrutico
and Format of metodato and Parvide
Consistent Framework For organizing
and describing data

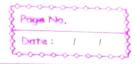
6 Metodata con be used in a Variry of Contexts Such as libraries, museums, archives and online Plathrom.

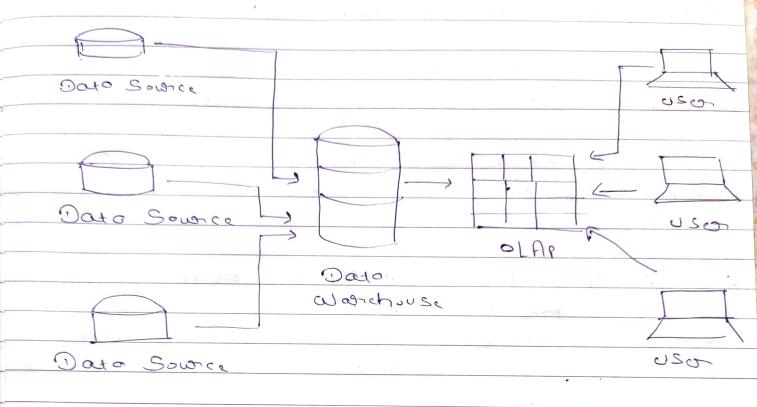
Daro		
Mining		
T001S.	Dato	
	Lood	
	Function	
Merodato io		
Dara Warehouse		
Tronsport	IPPlications	
Tool Sounce		
System		
* Mainy those the caregonies of Merodalox		
1) Business Mettodaya	-	
It has the data owner-ship information		
business definition and changing Policies		
DUSINESS OPTINITION UND		
@ Technical Metodato toble		
Oft include databose sustem names table		
and columns pomes and Sizes, data		
types and ollowed volves		

D'Technical metodata auso includes Stauctoral
information Such as Parimary and
information Key attributes and indices



- 3 operationa Metodata.
- OIT includes currency of date and date
- Ocuprency of data hears Wheather the data is active archived on Purged.
- Opplied on it.
- 54) OLAP Explain
- Processing Server.
- Oft is a Software Technology that allows user to anolyze information From butile database sustan at the same time
- Of is bosed on multidimensional data hode and allow the user to query on multi-dimensional data.
- MOLAP is a database anausis technology
  that involves querying extracting
  and Studying Summerized data





Est allows monogers and analysts to get On insight of the information through Fost, Consistent, and interactive access to information

@ OLAP can be used for data mining on the discovery of Previously andicerned frequency between data items

1) Thore are mainly those tyle of olds system.

- i) Mutidimensional OLAP (MOLAP)
- ii) Revariance OLAP ( ROLAP)
- iii) HUBSII OLAP (HOLAP)

## 1 Multidimensiona OLAP (MoLAP)

- MOLAR is olar that indexes dispectly into

OThe oduantage of MoLAP. come that it come monage analyze and. Store data very quickly

DIT is also easist type of older to us; and con be very distroit heirful who an apalytic and business leader need Dto Sout dato in Vality Woys

2 Relational OLAP (ROLAP)

- OR-LAP Works digrectly with the date in - Inevational database Without Figst - Inevarganizing into Cube.

2) Rolap is that better Suited to analyzing large quantities of data to answer Very Specific question

B Hybrid OLAP

inte olar cubes but also Morks direction data base

@HOLAP it Combines the Speed of MOLAP WITH the Scolobility of ROLAP So it con quicking Onoryze large volumes of detailed data in Jaggiety of WOYS.