Data wining and Analylics Information - collection of data Data: Unprocessed things I naw data. Mining: Exteraction of information knowledge: - Useful information converting brom Pattern: Crenerate patterns/insights trom available data. Market Borsket Analysis: Extract useful & meaningul information/ patterns from the date. clustering > crowing ing, No class / label, groups based on ainilarity. Shasi li cation > O abouting aboling, putting under a label or class classification is based Clustering -) classification. Prediction: - (V-2)

predicting with the already existing data

Business Sector

Stock market Education

Feath care - Cancer prediction

House rent prediction.

Association Rule Mining: - (V-2) of - then sule. 86 (age - group (22) E then college student pare-parocessing:-= removal of unwanted data - Data cleaning > Data transformation ? =) Porta Integration SHILLSA 47 Marie > Data reduction DBMS:-2 20d Dr. 20043 guerring => Fetching pada marchouse Database vs Data varehouse, Database: →small amount a Large amount of of data Ctransactional more data can be det data > Online Transaction DOLAP Donline Analytical processing OTATP processing

leagining is Machine Extending previously unknown and Data mining: potentially useful patteans from lærge amounts of data. patabase (KDD): Knowledge Discouring in Unsupervisco! knowledge extraction data / pattern analysis data archeology Re- University of the many data dredging information haveesting businers intelligence. Knowledge KDD as a Pgrocers Patter Tevaluation pata menenge relevent selection and in-2 pata warehouse. databases integration with missing values. Data cleaning: -Data lake > source of data Large ant structured / unstructured, place where naw data is stored.

Unstouctured data: -Video laudio files. Semi - structures. Excel + video files Supervised: - Labelled data eg: charsification unsupervised: - Un - tabelled data eg: - dustering Re-inforcement learning: Based on my interesty i'm learning it on my own. , knowledge PSUCCESS in KDD: > Pattern. evaluation a pattern Data mining Data transformation (concerting data transformation (concerting data for analysis) Data wavehouse Data integration pata cleaning Parla Culce of Estimate Col Data somerces Feat files De marchouse

Exteraction of knowledge > Data Mining. rechnologies grelated to DM:to present stand go come * DBMS * ML * OLAP * statistics used to manage the DBMS => software that's QB > &to stage apace of the data. tuples & grow column & attributes. DN is used when it involves more Note:-2 09 3 join quelles. used in DM for better accuracy Pruvenoi Outlier analysis in the form of data quarios cubes OLAP :-3D stellicture pata 3-dimensional douta operations hivet (er) Dice Roll up sistate Taking rotating away opposite Lowest the vestsion ... dice entique Rollup brom certile the onthe converted eg - year higher albe month 41-city wise country