Big Data Small Data mostly unstructured (90%) 1970 - Sci Ef Codd Traditional dls was designed - 10001 B- PB - EB letaByle trabyle RDBMS: was englised of > Shutured data - Tables percel files i format not used these days lonly More than 2 Billion users Storage is very high 10% is structured these days) unsmitted pier, videos, text Speed of data generaled - Store in MB, GB, TB - Speed/velocity merease in gradually) daily & very high - Exponentially. 130 taillion pers are - If a amount of data is there . 90% of a is 74 million likes daily on generated recently in last 4-5 years. data centres across the Stored in centralized for would by distributing (Streetweet form) globally. I Entire raffik attendance, library date will come at sail - data is locally stored place otherwise. Hadoop Spark Bigguery Muttimede Chister 891 server, Oracle, Suyle Node These are under sparke now and are Open to use. fore DS, ML, AI hair - expert som

of Augen: many orders - transactions - how to retain - by by date. Big date and be processed by existing traditional Vechangens Sources: - Stock Exchange (many companies - their own price - their own status) - By date - Social Media (fb, NA, Instagram Billion of uses - past - their own date. (Genelated daily, - Video Sharing feetal: You tube - food, travel, etc. many moders - high data Search Crywe: Yahoof google ef mest searched football player - comes nanspert: no, owner, distance Banking! we have our account. Seni spuetued date - reither smeetind nor unst that it can be stored in a JEON, WMC is used in this case - 2 slots of sim D'all centre (requisements) pho right data writ every no - Data is analysed

D

D

D Quality Evaluation - recording is also done. @ Social Media: - like - opinion (companies take their decision for promotional Campaigns - Sales 7 - Profit

Shopping: Anazon, flipkant - flagstore variety of items- recommendation 101: Smart devices - cornect - funtionality Date - sent on dovid - down goal g Healthcare eg House (Pi) prisease.

Medication dis given to all patients sensors are used to capture inframement devision to continue naccine or not Particular thrue - behavior is recorded.

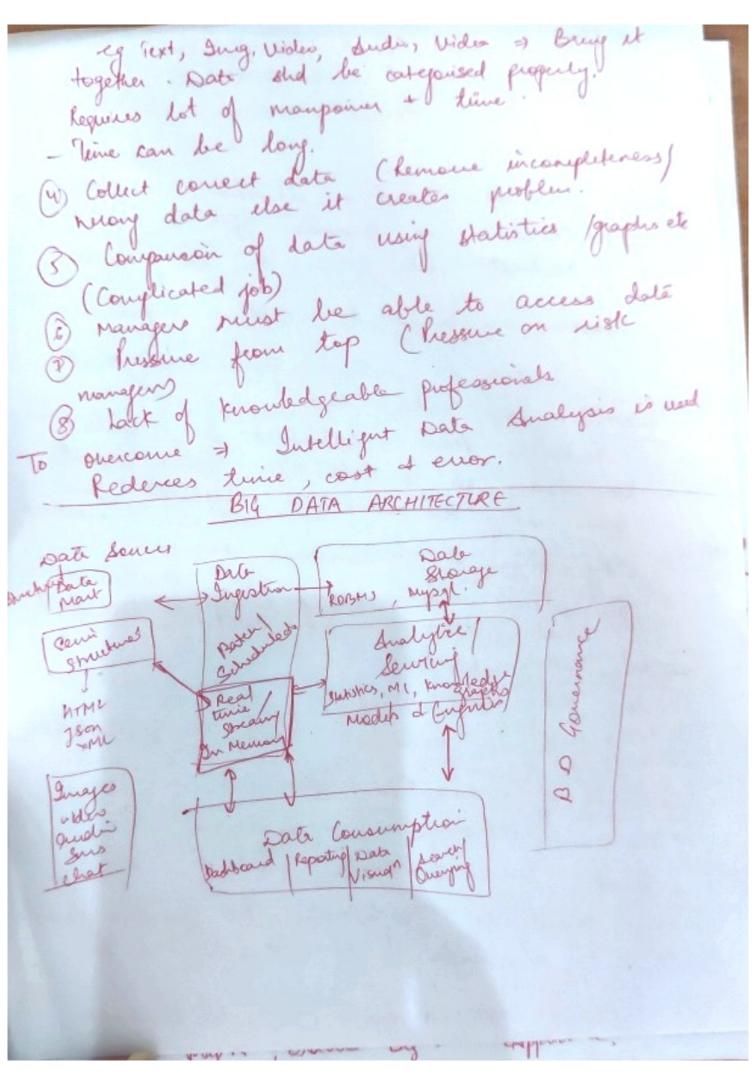
- how many go u take to solve easily

- how many do u leave difficult (naky)

- easy option - behavioral analysis Education !- online legam. he between how many pay attention facial behavior - how much y, attended facial behavior - how much y, attended earlier only used in foreign - no indian content demand of hinde movies - data is generated. challenger of Conventional Spris:

-> Stole -> Manage -> Analyse

-> Specific Time Interval Dage quantities, impossible to process every Thust be meaningful I shit be collected in Beat time collected from Multiple sources.



4 component: data capture (300id media, seron readings) data purcessi data Wisualiz fields med chions bench NU / textual Apache Hadoof (05 formerint) enables distributed in our Scalability, CE Heritality and land of movement of heritality with another of anatylais on large of week with modosf to anatylais on large of week strains the friendly All anatylaise and in growing that strains that supports interacting his to os sol engine that supports interacting the strains of the supports interacting the strains of the strains of the supports of the supports interacting the supports of the support of the supports of the support of the su for oral queres or event based data leg Part aggrégations & explorations on laye de due les columnais étongs format. Apache Hadoof, NOSOL db, Map Reduce. Cloudera, Hortonworks, IBM Bigjinsyhts, map R, Oracle Big Data Appliance,

Auditing + Analytics:

1 we fleig data so red" in Open" costs, Improved decision making, high customer redention satisf rate. RT by data & growth + sustainability Anditiy: - Past events - puture outron Valuable unsights for audikers of future outcome. Benefite: Make comparison with large rel of date. A? + sufomation is used in b. d. plane vol. of date are processed to

provide great insights
perisons are based on previous cases regarding
non compliance of feared. datest policy changes - upto date.

Jiranual buddont san adjust their reporting

financial buddont sandwent hansachion

fusies t sport brandwent audits

lefore Anabytics and date aggreg t

Refore Anabytics high quality data to Authentic info.

high quality data overame by automatic.

funan error is apperseruntly policy to

Avalytics: Attorp Cyberseruntly policy to Protect date Configurations (outsiders X)

Change Configurations (Outsiders X)

Protect date Configurations (Outsiders X)

Anti malmane papets

NIN Security

NIN Security

Nacramers

Nacr -> hiviledged auers nigt. | 3 fection goal 1 Data wrangling + hep" before neing iterature model. During model count 2) Data exploration visualize data to find insights by using intendine dashboards. every ouse fast processor of memory Support for various types of Analytics Jims wake better business decision Version Control: Keep track of control changes to specific code.

90 Team keep brack of changes Date Management use data effectue + seave way in cost effective Optimices use of date Date Jutegr": Combine date -> make it empti enhance date quality, free resources, lawner enhance (8) Date governance: Accurate, awaitable (neighberg (a) security: - Digital date wanthaized uses to intrusions with frewall, strong user auth, IDS or sold visualize: - data deinen en 1) monitoring austonia spending + shopping behavior @ Smal Traffic Som :-GPS in Polo, When fini on Apple, Contana on wholens (a) 101: Senson- healthrane energy sector: in every 15 nuns Industrial facility , at next household can sun heavy machinery. Compliance: Collect - shew - processing La reguires more resources. Preva of fraudulent activities - Managing 3° parties isk herps in managing wost. Thank You Disclainer