Date______Page

Types of Analytics and Statistics involved in data analysis 6 Descriptive Analysis. - Most Commonly Used analytical method by customers. to understand the overall performance at an aggregate level. - Important to build core competencies first in descriptive analytics. Core competencies: Data modeling Visualization and communicating data Dashboard design skill. Answers the question "What happened" Déscriptive Analysis. Lidike descriptive analysis uses historical data analysis but diagnostic Analysis addresses critical question of why an o or anomaly occured in data. This type of Analysis usually trigger for the question "Why did it happen".

Predictive Analytics. to happen based on historical data using machine dearning. Generalty Prediction Analytics. machine Bulk Prescriptive Analytics. 5 Guided Analytics 4 Merging of descriptive, diagnostic and predictive analysis. 4 Automatic adjustment of product pricing based on anticipated customer demand and external factors. Primary aim is to make an educated gress or assessment out of analytics and streamline the 4) Primary aim is decision-making process (1/w2) Trade off between Exploration and Exploitation in decides and interacks Hogen's decides and acts/interacts with environment to achieve certain goal. Based on Reward and Punishment. Agent Improves Overtime.

	DatePage
	Shaping of How agent decides (Exploration Vs Explositation)
	It refers to trade-off between exploring (trying out new things) and Irvaraging knowledge of actions that have already been proven to be effective (exploitation). The tradeoff is crucial because, If agent explores too much, it may never settle on high reward action policy, leading to inefficient dearning. If agent exploits too much, it will not discover me new things. Hings, is stuck in a local optimum.
Ino3)	Basic Workflow in Machine Learning project
7	Define the Problem.
2	Understand parameters available, objectives
	and way formulation and Evaluation.
	J 1
7	Collect and Understand Data.
	4 All relevant data to train and evaluate model
	Data collection, Exploration, Annobation, timilation
	und en fandings
→	Data Processing and Cleaning.
->	Selecting Algorithm.
4)	Training Model
٠.	Evaluating Model
-39	Mahala M. dal