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The state of the s	
	Analytics concept in modern Age
	Hnalynes when
	A BRIEF OF STATISTICS
	Statistics: & transis of mathematics dealing with data
	collection, organization, analysis, interpretation
	collection, organization, with
	and presentation.
	Sighe of Statistical meory:
	-> Duta collection
	-> Summarizing data
	-> Interpreting data
	-> modelding
	-> applied Hatistical inference.
	Operational definitions is of terms of data:
	-> Mariable: & Maracesse of -> Data: The set of individual natures associated with a
	variable.
	Types of deta:
U	i). Nominal: Name, SAP_ID, er
	ii). Ordinal: Creades, Rank, etc
	ii). Internal: Temperature
	iv). Ratio: Neight, meight
	(V), KOIG, FSG,
	Statistical moder:
	It is a mathematical model that embodies a set
	in the tiral amunitations concerning the generality
	of stansmar assured of sample data. It often represents no data
	of sample and
	generating process.

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	Model in general: (Properses of model)  > a representation of hear system, idea or object  > captures the most important features  -> can be a written or verbal description, a  wished display, a mathematical formule or a spreadsheet representation.  > mainly the equations used in ML, AI &  many more.
0	Decision model:
	- used to understand, analyze or familitate decision making.
	-> Descriptive decision models: describe
	helarionships
Carrier C	Y = bo + b1 x1 + b2 x2 + b3 x3 + bnxn
	X; -> independent variable
	bi > coefficients
	n -> no · of observations

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P2_	INTRODUCTION TO ANALYTICS
	Oaka Science :
	Data Science:  A multi-disciplinary field that combines
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	1 and in the least of the second
	do the land
	an organization and
	mat value no sterkendders.
	rns vo
	Data Analysis:
	is the like the of the contraction
	1 hall she can an and she
	and an arman an car
	acin limb have the
	business Operations and make better feet both
	Business analytics is a source of date analytics.
	Business analytics is a such of
	A ALLERA ALLERA
0	application of Business analytics:
	-> Management of Wistomer mais
The state of the s	-> Financial and marketing ornans
	-> Supply (hair management
	-> Kuman resource planning.
-	-> bricing decision
	-> sport teum game strategies.
and the second second	

*	
0	Importance of Business Analytics:
to produce the second s	-> There is a strong relationship of BB with:
and the second s	- profitations of business
	- herence of visiness
	- Mareholder behinn
	-> Enhances undertranding of data
Control of the second s	-> vital for vusinesses remain competitive.
	-> enaver relation of informative report.
D	Scope of BA:
A STATE OF THE PARTY OF THE PAR	-> Descriptive analytics:
Name of the Party	- uses data to understand past & present
	- ay: dete usualization
	- helps us understand me output theren
	predictive and prescriptive analysis
And the second s	-> Predictive analyss:
and the second s	- Reytession analysis, ML and house
	nehworks
State of the state	
The proportion of the communications	-> Prescription analysis:
the state of the s	- most often beletie to opinion some
	en on of wear 1 march
Committee of the factor of the	of the second of
Management as a second assessment	model:
	on Optivization
	- Objective humanon - our n
Participation of the second se	- Objeting function - eye not mingress a normal
the state of the s	- Optimal soit - value at min on max foint.
Application of the second	MINERAL PORT

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	MACHINE LEARNING
P3_	VIACELLIA CLIA
Control of the second s	machine learning is a branch of AI mat
THE PARTY OF THE P	automates wilding of systems mas learn
The state of the s	iteratively from dera, identify widden patterns
The state of the s	and & peredict puture reserves with ninnum
Colored State Colored Services	and y price or poeces
A STATE OF THE PARTY OF THE PAR	numan intermention.
	Types of ML algos:
C	Types of
	Migrerused
	-> Regression
Annual Construction of the	-1 Celision wee
	1977
1	Supernised: Category in union en feed lateled dota
	to MI model
	- Regression
	- cassification
į.	I unsupervised: category in which we feed only inhut
	data unhant latels.
	- Wistering
	- Association
	latited
<u>in</u>	). Semi supervised: Curegory mas uses wor latetal date &
	unlaieled ada.
	Evouried ML process:
	Betrocening !
RG	un Data >> Data >> Leuring -> Model cugo encharon
	Transdel
(	output < presid < New dark

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Opplications of ML:	
-> Erana deterion	
-> Target acquisition	
-> NLP°	
=> Real time DD placemens	
-> Credit scoring	
-) Lusiones segmentation.	
PY : ARTIFICIAL INTELLIGENCE:	
The science of training unal	. ka.
herform tasks that upically hegy	iters to
intelligence so complete.	es human
D Phylications of AI:	32.71.1
-> Banking	
- Frand derection	
- redit analysis	
- Outomated Financial deluces	
to trouernment:	
-Smar cinics	
- Security intelligence	
- Faval recognition	A second
-> reach suje science	
Diagnostius	
- Bi Omedical imaging	
- Health manihor	
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U	Deep learning: Type of MI Cused on artificial neural nemorks used in recognizing speech, identifying objects in images and more.
	Reinforcement learning:  - disconers through twa and error which  oution yields the greatest reward:  - Often used in robotics, gaming & navigation.
Cold Minimus ann aice ann aice ann an Aire ann aice	