01/03/11	medium.com.	(Progress)
	Date Preprocessing & DA (Exploratory Boto And	ly or a
	Data Proprocessing also colled data cleaning.	
Step?	Constant features subole column tos a value	
	with one constant value only needed, they are generally	tropped.
	Quasi-constant fecture s A column which has	meshold defined a
	i.e almoss a constant feature. These are also gar	estly dropped.
Step		
3	Data filtering Drop columns which home rule.	
	d. isna(). mean() % 100 - /gives	all in columns).
	ni) dropping duplicate values. ni) dropna for used to drop Nor This is used to drop	
	iv) Bropping columns that have do not seterant to you.	ta, but it is
	v) If mull values not dropped they are generally string (or) number. Buy null is not under leter. [fill no used].	replaced by a late worker

AND THE PROPERTY OF THE PARTY O		le .	
4) Date Time con	กษะเรือก		i.
		cinty handles H	me-sectes da lo
> format = 1	% - %m - %dT	%45%M#Z'	ler mat
System of 11 Colum			
5) Data Splitting			
13,	Train seles sai	to set Breit	set deta
	2	0.20 00 70.30	
4 tatistics 6) > Continuous Var			
6)	007 8		and uncountable
Categorical. Var	rables -		sales recail of processes are for intensive engage the placement designation of the control of
7) - Distribution	- Uniform, expon	ential, normely	
	Binomial ->	based on a histo	gran
	L. for	a categorial tori	alle
	- 1	V	
	*		
Data Clean	none done. Splil	as Date Anely	yeis -
1.401-12 0	CAR		
with	E Visual	diction.	
testi data			
Nypermeter	model Carlding	- Feetuse	Feature Enggs
taring	Builder	Selection.	01.

	Page No.	
	Data Analysis Mathy Overview BAA [we will only were numerical analysis].	1
	Data Analysis Mathy ever numerical analysis].	7
***	ONA / We will only with	
1)	Univariant & Multivariant Analysis.	
	10	
	Mean, Median or mode. University used. University	
	Mean, Median or Mode. Universion. Variance, Standard Seriation. (with only columns) Seconds.	
	column	Hac.
	Spenney, and Kurtosis.	> ,
		_
	and sold of such the right	
	Studying multiple variables at once -s multireriant.	_
	» Correlation.	_
	7 (250 mante)	_
	J	_
	or Principal Component Analysis (PCA).	
	-Los Not weed in Fintech.	
	* In fintech generally data is not modified	
	Just analysis is done.	
	orally in the	
2	Distribution & IOR (Inter Quarte Ronge).	
	v	
	3 Population, Sample, Distribution	
	hose concepts disus	ter
	, coac, v	
	skewness of distribution -> left, Right discusse	d.
	G MOONING COM	
	Greatured by mean, median & mode.	
	(Meanises of central teno	ento
	Median -> Positional Aug	
	Mother	
	(AM, GM, HM)	
		_

3)	Outlier Detection) Nicola date C reporter South consection
	31st apr dan E torrests, getter g
	Outlier Detection > Disrupt data & conclusions, generally talen out from data.
	Detection generally done by boxplot.
	10R -> Inter Quartile Ronge. (outside the ZOK -> Outlier).
	TOR -> Inter Quartile Ronge. (dutide the ZOK
	- Outlier).
	EDA (Enpolatory Data Analysis). Sconverting numbers to visual [Motplotlib, Seeborn & Plotly]
	- Brivett Creant
	The charter of the ch
$ \bigcirc$	Derverting numbers to visual [Matplotlib, Section &
	Plate. 1
	2 diff kinds 1 10 days
(2)	2 Barplot, Scattesplot, Boxplot J of puts Lyreny high level.
	> ? inpost motplotlib as plt. Sike pandes ? pd. E numpy is np.
- 12	> Import motphollib as pt.
9	Sike pandes is pol-
	¿ numpy is np.
\mathbb{C}	3 Other plot - shistogram, prechast, etc.
9	Distplot, Violin plot, Colon density plot.
	,
	A
	Final Project
	Clear date -> when bill will be cleared . of each of
	column in 50,000 involces.
	destaset.
	12.0 12.9 1.40
	we will predict dearing date.
	•
PD	Ρ

+