Assignment 4
Title: Por
Title: Perform the operations using making on the tace house
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python on the facebook metrics data nets.
thing following spenting
Aim: Perform following operations using python on facebook metrics: alta nets: alta nets:
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D) mesque date
d) Transporing pata e) Shape & sishape data.
analytical concept of big data
abing python.
2) To study detailed concept =
1 Together.
software ranjaments: D unintu 14:04/4:10:
2) CINU C compiler -:
4) Java -:
5) Python Platform
Thiory -
powerful programming language. It
The property surginage . 44
PCCOE localhost 8888 hotebooks/DSBDA_Groupp_noong/may-y
Coopped by ComCoop

	as efficient high hurl data someture of a simple but effective approach to shiret amented programming eythom aligant syntax of dynamic typing ingesther with its interpreted nature, make it an ideal language for scripting of many among on most platform. The python interpreter of the extensive standard interpreter or truly are itable in source or binary form for all major platforms from putton website
,	Features of python. Python is a dynamic phytherel free open source of interpreted programming language. Deavy to use 2) object oriented language 3) of Free of open source 4) and programming support 5) tigh level language 6) Extensible feature 7) Python is portable.
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	Data Reonaping -
	most of sime data processing in
	most of time ento sow of columns
1	
	data from by taking input
	orthation with
	in a format that is different
	the state of the s
	functions to split more of
	functions to split merge & change
	data frames.
1)	Taining
	frame. Collimn & Rous in data :
	- we can join multiple rectors wing
	function indican main
2)	function.
-	Subsets
	frames Return publices of data:
	matrices or data frames which
	meet conditions.
	Arguments:
_	a: object to be subsetted:
-	subset : logical expansion indicating.
-	elements or nows to keep
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missing Ital	
missing values are taken on take. select: expression indicating columns drop: passed on to indicating rame.	_
melling of conting operator.	
the functions used to do this and called melt of casto	
meet the data can malter	
data i trampore using the	—(1) —(2)
Sorting Data:	7.
function by default porting is	-/. -/,
porpana sorling variable	
DESCENDING order.	
conclusion - Thus we have dearest	_ 7 _ 7
how to purpose different sistage	- < - < - <
	- }
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localhost:88888/notebooks/DSBDA_GroupB_Assign1.ipynb	

Assignment 5	
Operation using RI Python of Air quality & Heart Diosans	n the
Objective: 1) To undurstand & applianalytical concept of big data R/ Python. 2) To study detailed concept R	
Software Requirements: 1) Ubunty 14:04 14:10 2) UNU C compiler 3) Haddoop 4) Java 5) Python platform	
Problem Statement: Perform to operations using RI Python of air quality & heart disease data sets. Do pata straining 2) pata integration 3) pata transformation 4) pata correcting 5) pata model building	n
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rows x 13 columns] notebooks/DSBDA Assign 2_Part A.ipynb	2/13

Thion	
Data	deaning or data preparation
is a	n essential part of statistical
anali	pis.
Stati	stical analysis is 5 steps:
والمحمل	c Row data
	type checking
data	technically correct
- CCGOTT	ng clata '
	Consistent data
	estimate, analyze
Zauville.	statistical results
	tabulate, plat
-	formatted output
7140	tatistical values chain (svc)
hand	
parent	
data	to its use for decision
pup	post the lutter data is
hand	lled at each step of statistical
vali	is a support of the best of
1000	sion support The better data
Oto	strotical value chain better
	ulting decision support - &-
70	

therefore better final divisions.
Sy indixing for mean all methods. A tricks that allow you to
select of manipulate data using logical fintiger or named indies- picial values like most programming.
languages, R has special values like: NA, NULL, & NAN. Data Transformations:-
uhen a pridictive model memples:
- inadequate data proprocessing - inadequate model validation - unjustified extra polation. - Response / Dependant / target / class/
outrome as terms that signi- to the outrome event that is
Dentering of Scaling ramable centuring is purhaps the most intribire approach used in predictive moduling. To centre a predictor variable the arrange predictor variable the arrange predictor value is subtracted from
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	the predictor has real more
	To scale data, each 12xdictor walled
	To scale don has zero mean.
	and but it
2	KINDLIING CV.
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	Comman appeared shape A
	common approach to check for
	NO 171 W 1 A 1
	the priditors in a grand of untring
	To scale date and sens mean.
	To scale data each predictor value
	diviation (sd) Position spenters would
	indicate that man of data is
	large than median of data distributed:
	is night skewed.
3)	Resolving outliers.
	The function outliers () gets the
	entreme most observation from "
	mean.
	Outlier reatment.
	A) Imputation: Imputation with
-	mian median mode.
	B) capping: for missing values
	that lie Autide, all values will be
	considered as outliers.
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	missing value reatment. Trapute missing values with median or mode
	- Impute missing values with median
	or mode
	- Impute missing values based on k-
	Market Ma
\parallel	There are many other types of
+	transformation like beating collinearily.
	Inere an many other types of transformation like beating collinearity: dummy variable encoding covariance:
	treatment.
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	conclusion: Thus we have leasent how to.
	perform the different data choning of
	data modeling operations using -
	pg wor
	×
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