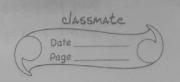
	Roll No: 33231  Name: Prajakta Kelr  Date Page
	ASSICTNMENT 6  Aim: Perform different data cleaning operations using R/Pymon.
	Problem Statement: Periform the following using R/ Python on air
	quality and heart disease datasets: Data Graning
	• Data integration • Data transformation • Error correcting • Data modelling
at 3 5	
Control	objective: · To learn data processing methods
10.0	· To learn building data model
	positive on a reconstant
	Theory & statistical analysis in 5 steps. A statistical analysis is
-	viewed as result of a number of data processing steps where
	each step increases the "value" of data (raw data)
- poli	Raw data hornalize Technically correct data fix and Consispent date
1)8	Formatted output   Statistical Reports   estémate, analyze, decieve, etc
13.76	Wariable types and Endexing techniques:  # vector have variables of one-type
•	C(1,2, "three")
_ Jan's	# shorter arguments are recycled (1:3) * 2 , (1:4) * (1:2)
winds !	# warring ! (why?)
	(1:4) + (1:3)
	Each element of a vector can be given a name . This can be done by
	passing named arguments to the (1) function on later with
	named functions.  2 < c ("red", "green", "blue")
	caplolor = c (huey = "red", duey = "blue", louse = "green")
	capcolor = ["louie"]



names (capcolor) [capcolor = "blue"]  $n \leftarrow s(4,7,6,5,2,8)$   $I \leftarrow n < 6$   $J \leftarrow n > 7$   $n \in I$   $n \in I$ 

Data Transformation: A number of reasons can be attributed to when a predictive model crumples such as . Inadequate data pre-processing . Inadequate model validation. . Unjustified extrapolation. overfitting

-> Common data pre-processing steps:

1) creating and scaling 2) Resolving skewness

3) Resolving antilizers 4) mirrioning value treatment

bata cleaning : It is a process of deticletecting and correcting corrupt or inaccurate records from a record set, table or database.

Now analyze dataset and remove unwanted content.

Thinking white spaces - data \$ dict < str\_tim (data \$ dist)

Remove missing values - na omit (data)

Data Integration: It is a process of combining data from different sources into a single unified view. Integration begins with the ingestion process and includes steps such as deancing, ETL mapping, etc.

Error correction: These functions are used to compute sequencing error correction in a library estimate errors mean (186)

compute sequence reighbours (tags, taglength = 10, output = "character")

	33281 classmate
	Date
	Data Model Building; We can build model in form of linear regression and much more.
	710000000000000000000000000000000000000
	Muchine Learning,
	[Supervised] [un-supervised]
	Classification Regression Unstering
-	Eg: linearmod   lm (dataset \$Nox. (++, data = dataset)
	print (linearmod)  summary (linearmod)
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	conducion: In this assignment we leavent basic data cleaning
	operations on various datasets.
-0-	
	Scanned with CamScanner