



## PRIYADARSHINI COLLEGE OF ENGINEERING

(Recognised by A.I.C.T.E., New Delhi & Govt. of Maharashtra,  
Affiliated to R.T.M.Nagpur University)  
Near CRPF Campus, Hingna Road, Nagpur-440 019,  
Maharashtra (India)



### ACADEMIC SESSION: 2023 – 2024 (ODD SEMESTER)

#### Assignment – 1

Subject	: Elective IV : Data Visualization	Semester	: VII A/B
Subject Teachers	: Jogi John	Assignment No	: 1
Unit	: I,II and III	Date of Submission	: 21/08/2023

CO1 To learn different statistical methods for Data visualization.

CO2 To learn basics of R and Python.

CO3 To learn usage of Watson studio.

Questions		Mapping with COs	BT Level
1.	a) What is Descriptive Statistics ? List out the types of descriptive statistics . b) Write in brief i) Mean ii) Median iii) Mode	CO1	1 2
2.	a) What is Inferential Statistics ? Explain main two areas of inferential statistics . b) Explain in detail about the statistical hypothesis.	CO1	1 2
3.	a) Explain in detail Data Manipulation. b) Explain different ways to Manipulate data.	CO2	2 2
4.	a) Explain the following packages i) dplyr Package ii) data.table Package b) Explain the following with limitation and advantages i) Scatter Plot ii) Histogram	CO2	2 3
5.	a) What is data type? List out the types of data types with example. b) Enumerate the list and its methods with example.	CO3	2 3
6.	a) Elucidate the string and its methods with example. b) What is dictionary? Explain the methods available in dictionary.	CO3	2 2

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