UNIT-I: Introduction to Data Science

Summary

- What does one understand by the term Data Science?
- What is the difference between data analytics and data science?
- What is the Role nd responsibilities of DS? Exolain Each?
- How do you approach solving any data analytics based project?
- Why is data cleaning crucial? How do you clean the data?
- Differentiate between box plot and histogram.
- In your choice of language, write a program that prints the numbers ranging from one to 50
- Why R is used in Data Visualization?
- Explain History of R Programming Language?
- Why do we use the summary function?
- Which are the important steps of Data Cleaning?
- Explain Data Science Life Cycle?
- What are the components of DS

- What is Vector Explain with example?
- What are the data structure in R Programming language?
- Enlist R Data types and Explain each with example?
- Write code for assignment operator and explain assignment Operator?
- Enlist any 4-Advantages of DS and explain it?
- What are the applications of Data Science?
- What are the Key Components of Data Science?
- Who is Data Scientists? Role & Responsibility?
- Explain Rules for Variable Declaration in R Programming?
- What is Data Frame in R Language?
- What are the tools used for data analysis?
- Explain Keyword in R Programming and enlist any eight keywords?
- Explain matrix in details with example?