Data Science Using R Programming

Assignment 1 Submit by: 13/12/2021

1. What is Data Science.?How is it different from Data Analysis and Business Intelligence?(5)

- 2. What is Data Science process? Explain.(5)
- 3. List out the applications of Eigen vectors and Eigen values in Data Science?(5)
- 4. Why Linear Algebra is significant in Data Science?(5)
- 5. Why Linear Algebra is significant in Data Science? How Linear Algebra is applied in DataScience?(10)
- 6. Draw and explain the lifecycle of Data Science project.(10)
- 7. List out the differences between Probability Mass Functions and Probability Density Functions.(5)
- **8**. What is a hypothesis and how it is tested?(5)
- 9. How random variables are different from traditional variables used in algebra?(5)
- 10. List out the properties of Probability Mass and Density functions?(5)
- 11. What is the purpose of sample statistics? Explain the properties of sample statistics?(10)
- 12. Whatisstatisticalhypothesis?Brieflydescribethevariousteststatistics?(10)