|  |  |  |  |
| --- | --- | --- | --- |
| **Sinhgad Technical Education Society’s**  **Sinhgad Academy of Engineering, KONDHWA (BK),PUNE**  **COMPUTER ENGINEERING DEPARTMENT**  **ASSIGNMENT NO-02**  3  **T.E (Computer) (Semester –VI) A.Y.2021-2022**  **Subject: Data Science And Big Data Analytics Division –ALL**   |  | | --- | |  | | | |
|  | | |
| |  |  | | --- | --- | | Que. No | Questions | | Q1) | What is a population and how is it different from a sample? | | Q2) | Take a sample data set of your choice and calculate its mean, median and mode. | | Q3) | Justify the importance of Bayesian methods. | | Q4) | How could you potentially use Bayes theorem for concept learning? | | Q5) | Define hypothesis. What is hypothesis testing? | | Q6) | Write a short note on significance testing. | | Q7) | Draw distribution diagrams explaining difference of means for null and alternative hypotheses | | Q8) | Write a short note on difference of means. | | Q9) | What guidelines would you propose to interpret the strength of linear correlation? | | Q10) | Describe chi-square goodness of fit test. | |