**Class Test: 12 June 2019**

1. What are the areas where Median is more helpful than mean?
2. What is the measure of central tendency to determine the shape of the distribution of the variables? Why is it helpful?
3. What are the branches of Machine learning? Explain each in 1-2 sentences?
4. Mention the formula for calculating Beta-Not for General Linear regression.
5. State 2 Explicit and 2 Implicit Assumptions of General Linear Regression.
6. Why is Decision tree called a weak learner?
7. What is ‘Information Gain’? how is Gini Index used to traverse through the Decision Tree?
8. What is bagging? Why are ensemble models better than weak learners?
9. What is the function call for Decision Tree and Random Forest? Can you write the full-function call with parameters? (try: Second part of the question is optional)
10. Can Decision Tree and Random forest be used for prediction? How?