CLASSIFICATION & REGRESSION TREES PART-3
LECTURE 38

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CLASSIFICATION & REGRESSION TREES

- Two types of nodes in tree structure
  - Decision node: Depicted with a circle
  - Terminal or leaf node: Depicted with a rectangle
    - Correspond to Final rectangular parts
- Steps to classify a new observation using tree based models
  - New observation to be classified is dropped down the tree starting from root node
  - At each decision node, the appropriate branch is taken until we reach a leaf node

CLASSIFICATION & REGRESSION TREES

- Steps to classify a new observation using tree based models
  - At leaf node, majority class is assigned to the new observation
    - For class of interest scenario, proportion of records belonging to the class of interest is compared with the user specified cut off value for the same

- Open RStudio

Key References

- Data Science and Big Data Analytics: Discovering, Analyzing, Visualizing and Presenting Data by EMC Education Services (2015)

- Data Mining for Business Intelligence: Concepts, Techniques, and Applications in Microsoft Office Excel with XLMiner by Shmueli, G., Patel, N. R., & Bruce, P. C. (2010)

Thanks…