DATA SCIENCE FOR BUSINESS (DATA ANALYTICS)

PREDICTION OF MOVIE SUCCESS USING RANDOM FOREST A MACHINE LEARNING ALGORITHMS AND THEIR COMPARISON

V.   RECOMMENDATION

It has been proposed a framework for the combination of multiple decision processes and a random forest algorithm to build recommendable systems. It could be resolved using a single tool either Python or R but for comparison between two tools, it was needed to demonstrate outputs using both tools in this analysis. The Prediction could be done using Linear Regression or Logistic Regression too, however, Random Forest was recommended for better accuracy of the prediction. In addition to recommending or not recommending a customer movie depending on the content and online review (like Facebook likes) of the movie. According to our dataset tests, not only in the practice set but also in the test set, the decision-making threshold pair is pretty good. The model of judgment is lower than the average, with variable precision and probabilistic two-way rough models. In the future, this will be solved using memory-based approaches.