

1. SUMMARY:

For this type of problem we have to use Reinforcement learning technique of machine learning because we have a limited data to train our machine but at time of competition (prediction) some new data will come and then our system will not be able to handle that data if we use supervised learning but in Reinforcement learning(semi-supervised) machine will train on some data but in case of new data ,machine will learn and store the result for future reference.

STEPS:

1. Train our machine by implementing CNN(Convolutional Neural Network) of the previous record.(unsupervised learning)
2. Ensemble methods predicts the outcome using logistic Regression (supervised learning technique).

NOTE :

We can also do this program by applying sorting techniques that is applying sorting two times. One time by the name of authors and another one by the name of the books which comes under that author but by alphabetically.