Logistic Regression Report

Classification Report

	precision	recall	f1-score	support
Case_Based	0.90	0.90	0.90	135
Genetic_Algorithms	0.96	0.96	0.96	184
Neural_Networks	0.86	0.90	0.88	281
Probabilistic_Methods	0.93	0.90	0.91	154
Reinforcement_Learning	0.98	0.90	0.94	115
Rule_Learning	0.92	0.93	0.92	72
Theory	0.88	0.88	0.88	145
accuracy			0.91	1086
macro avg	0.92	0.91	0.91	1086
weighted avg	0.91	0.91	0.91	1086

Insights during training the model:

1. As we increase the size of the embeddings , the better it is for the model to classify i.e better accuracy

2. During node embeddings for small random walks lengths the node embeddings are not giving better representation , not able to show the relationships between the nodes

3. As we increase the no of epochs in word2vec model we are able to get better representations.

4. Accuracy of the logistic regression model highly depends on the node embeddings the better the embeddings are the higher the accuracy will be.