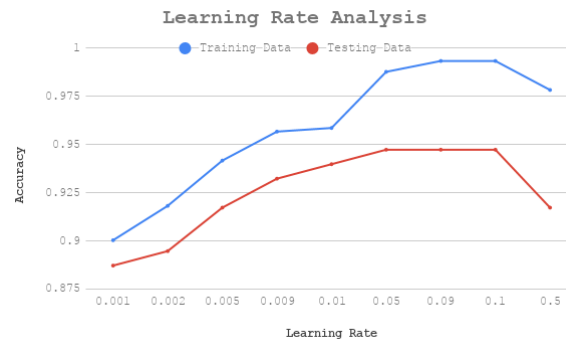
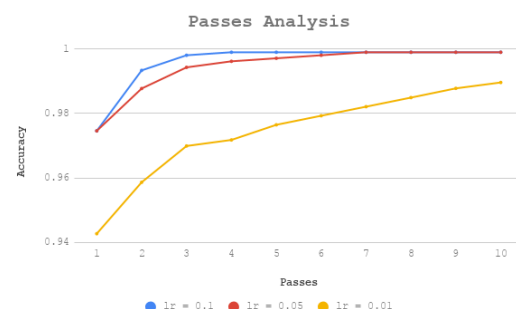
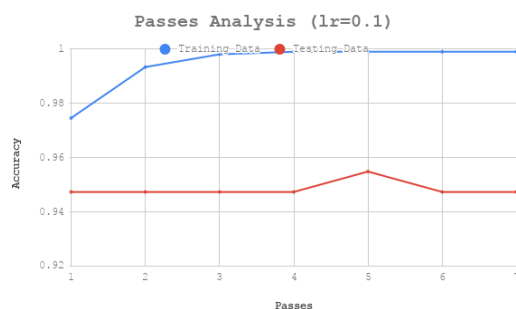


Learning Rate Analysis



I try to see the change in training/testing accuracy with change in the learning rate parameter. Both the accuracies reach a saturation point, after which increasing the learning rate actually results in a drop of accuracy.

Passes Analysis



In the first plot, I try to analyse the training and testing accuracies with an increasing number of passes of the data. The learning rate, here was kept fixed at 0.1. Both the accuracies show some kind of saturation.

To explore further, in the second plot, I analyse the training accuracies with an increasing number of passes for three learning rates (0.01, 0.05, 0.1).

Best/Worst Predictors

To find the features (here, words), I looked at words corresponding to the most_positive, most_negative, least_positive and least_negative weight values.

Best Feature (Positive Class) [most_positive_weight] = *runs*

Worst Feature (Positive Class) [least_positive_weight] = *ankle*

Best Feature (Negative Class) [most_negative_weight] = *annual*

Worst Feature (Negative Class) [least_negative_weight] = *hockey*