Metrics:

* Accuracy: 0.681967213114754
* Balanced accuracy: 0.629435266094876
* Precision: 0.7388949998774447
* Recall: 0.6819672131147541
* F1: 0.6905241026096695

For Bagged HMM, we built 5 HMM models with each model built using a subsample (with replacement) of the training dataset, which had size of 60% of the training dataset. Afterwards, we implemented a voting system where each model had equal weights on the test set. In the event of a tie, we added the individual scores (log-likelihood) for each model of its top prediction to deduce the final outcome.

(0.73889499987744