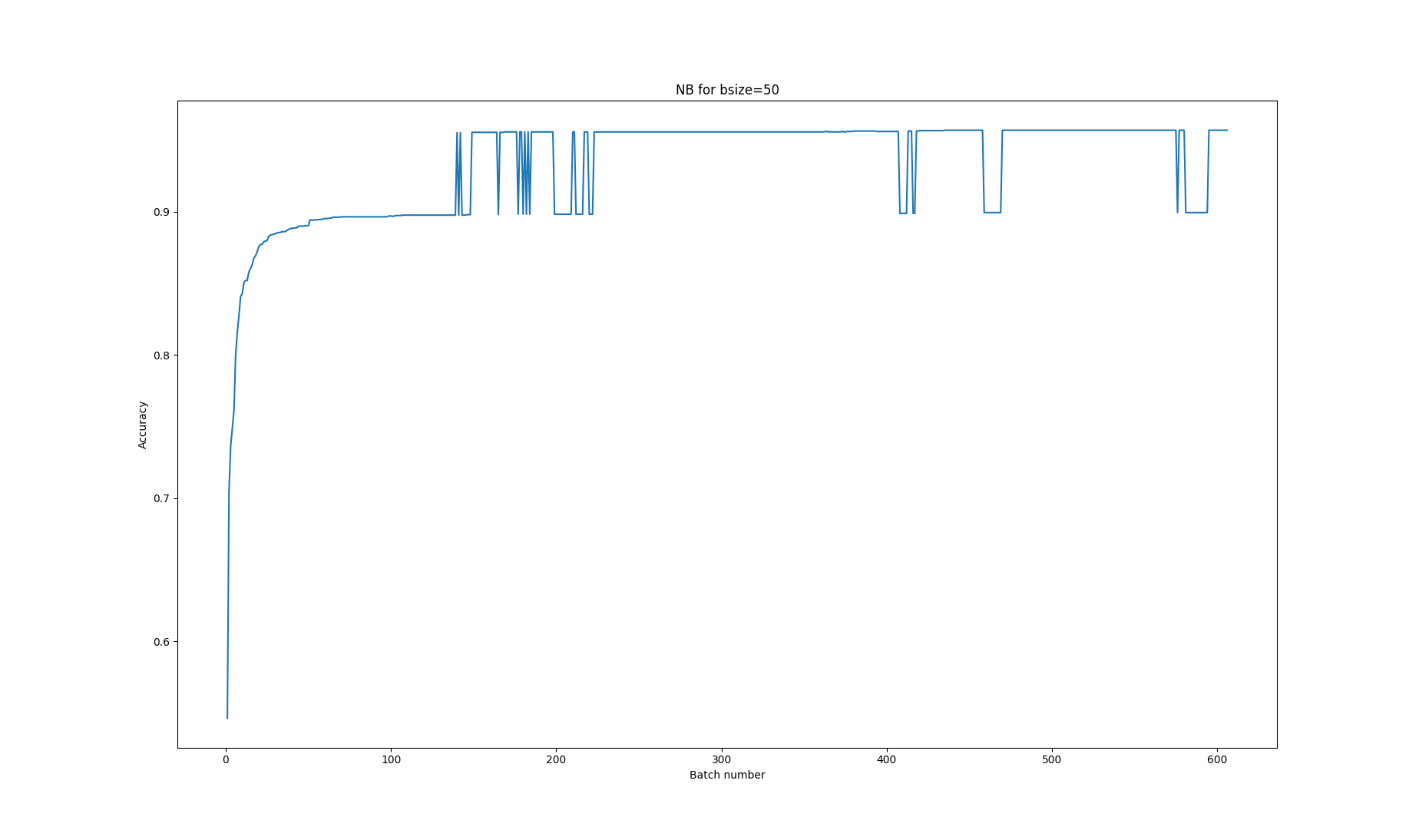
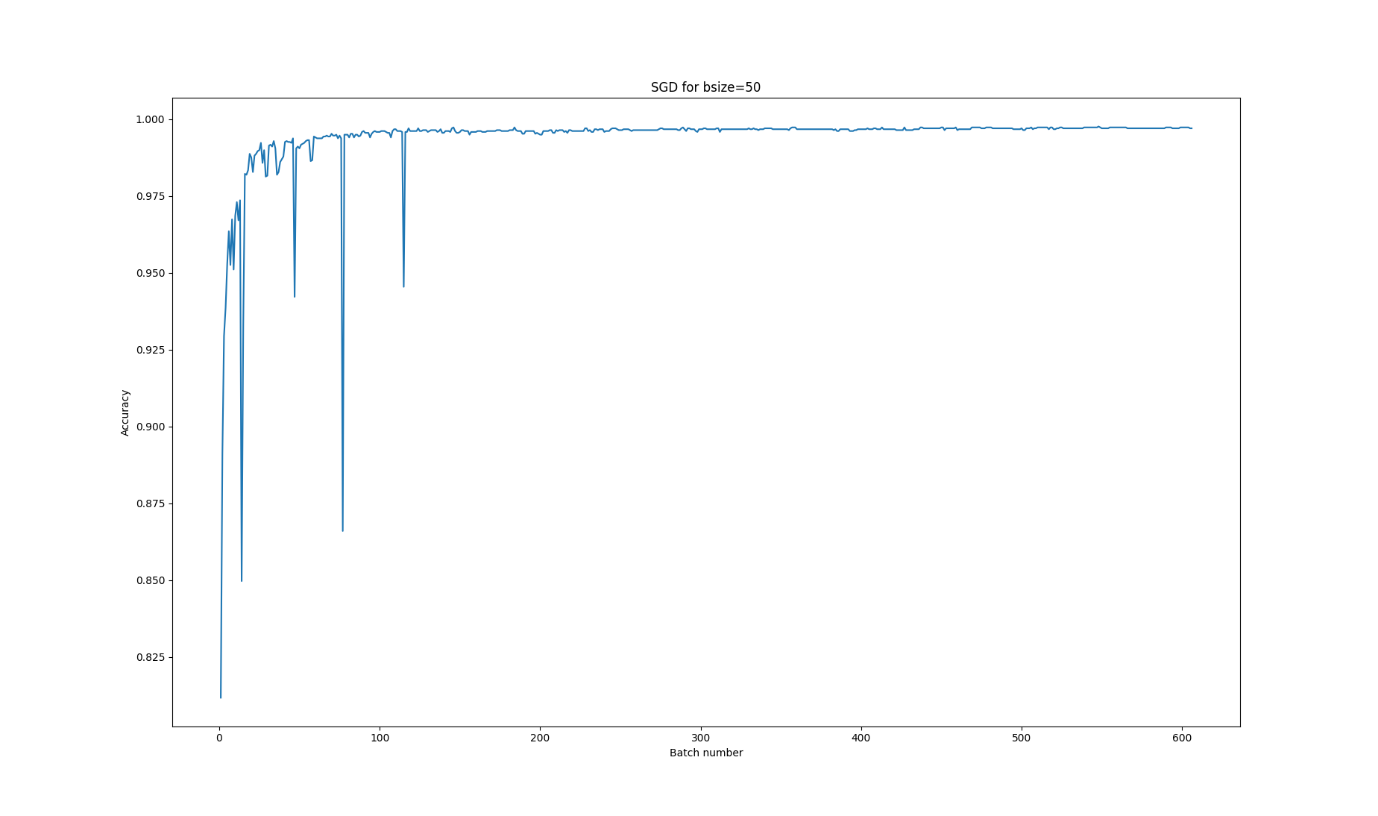
## PLOTS FOR VISUALISATION

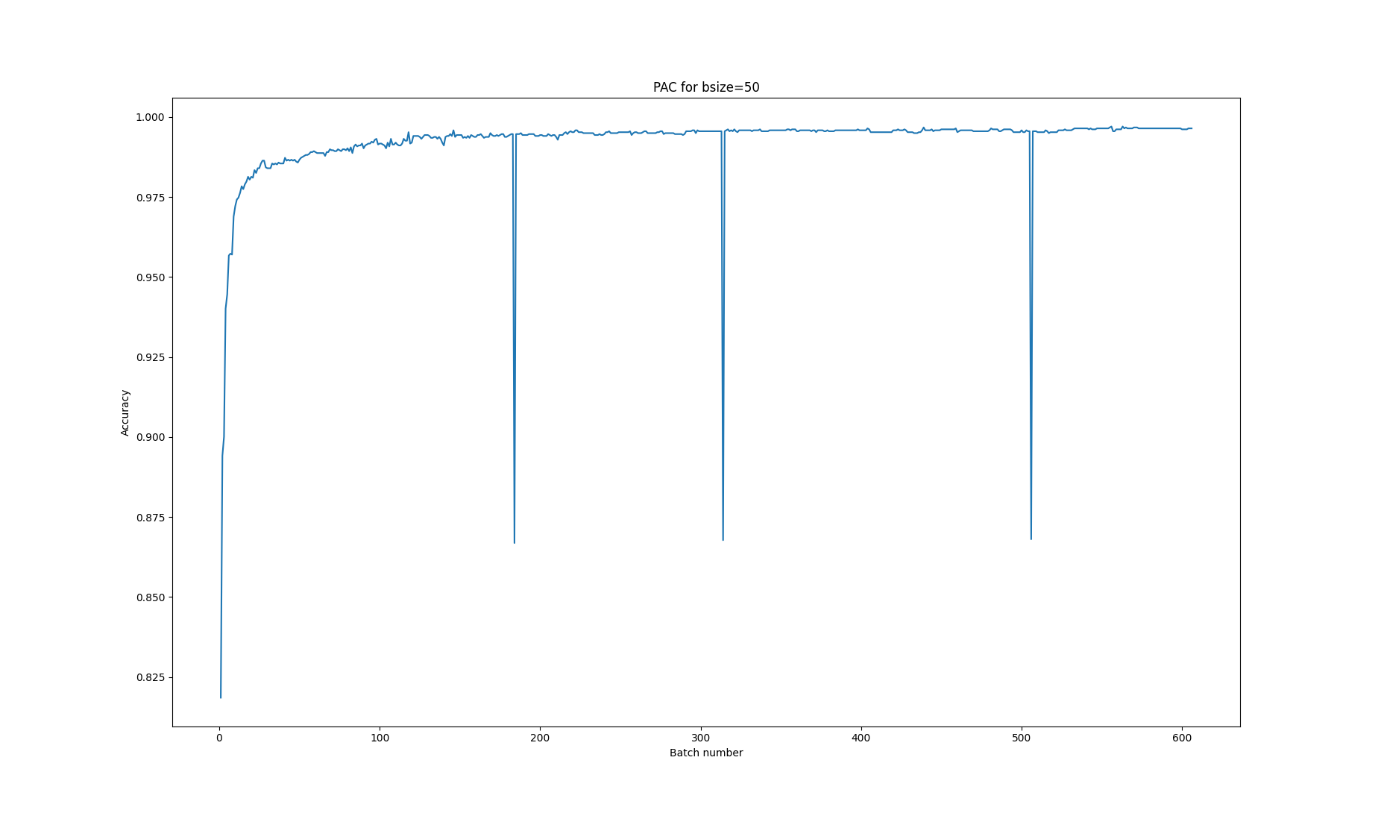
1. Below plots shows incremental learning batchwise for bsize=50
2. Naïve Bayes



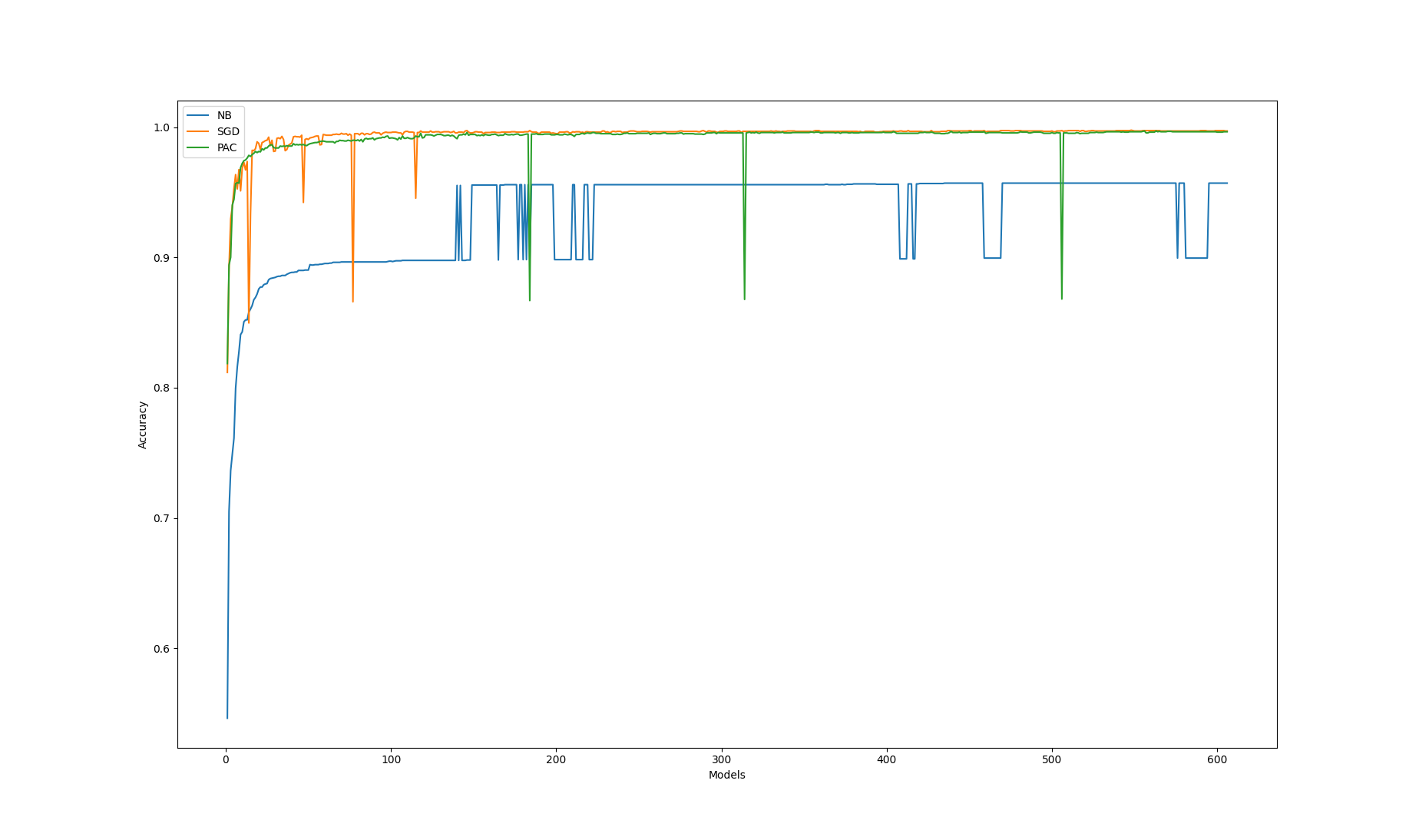
1. SGD



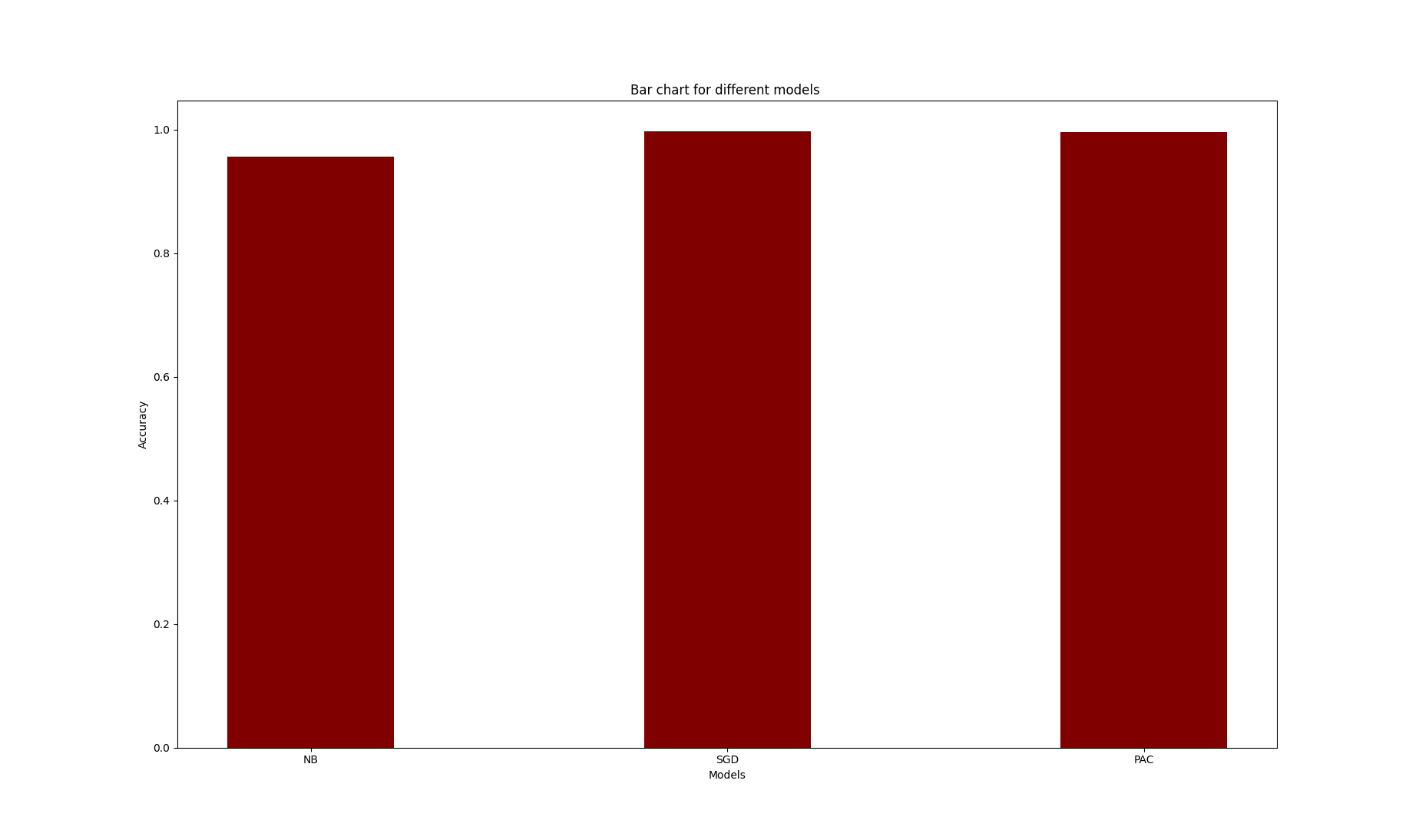
1. PAC



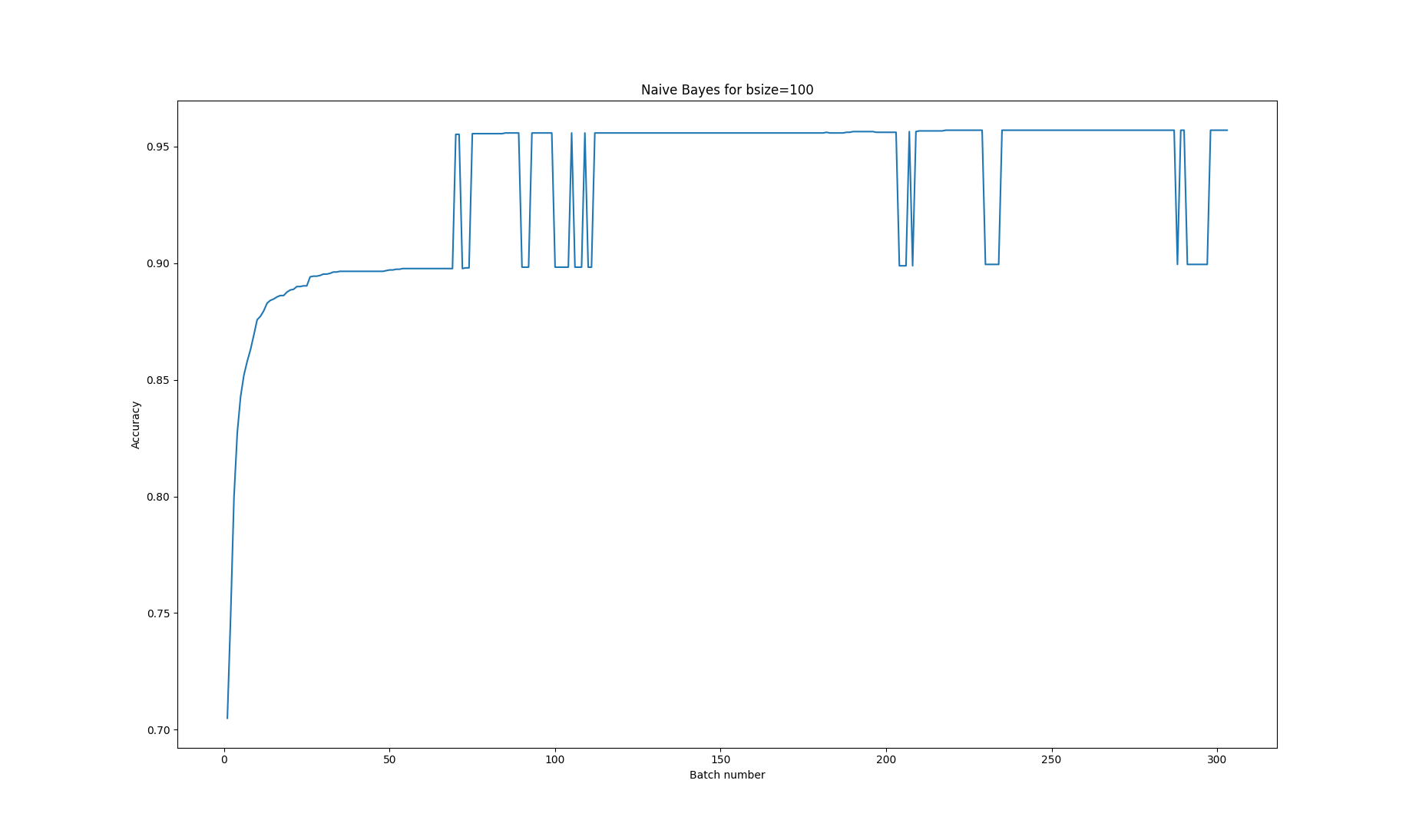
MULTIPLE LINE PLOTS FOR BETTER VIZUALISATION:



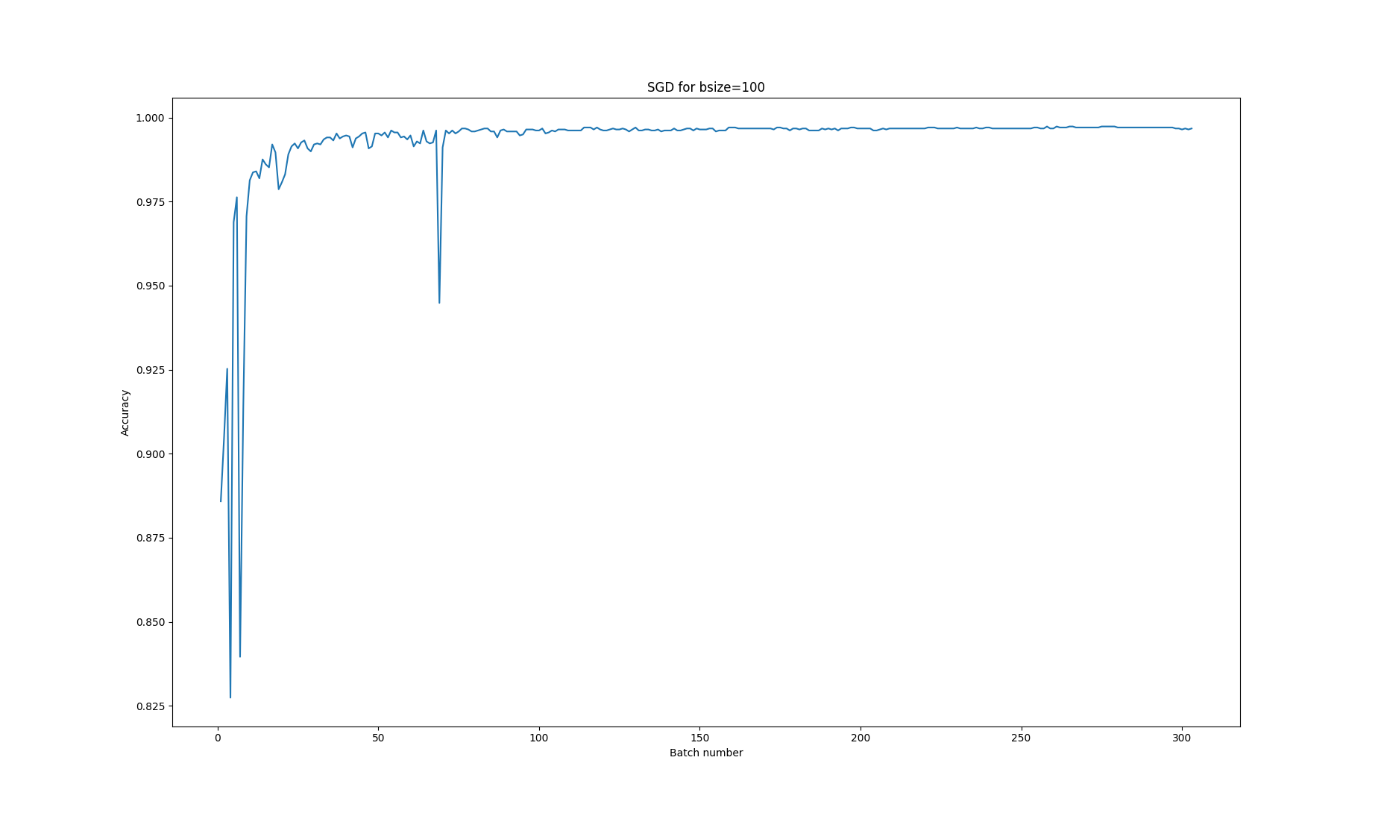
BAR PLOT FOR COMPARING ACCURACIES OF DIFFERENT MODELS:



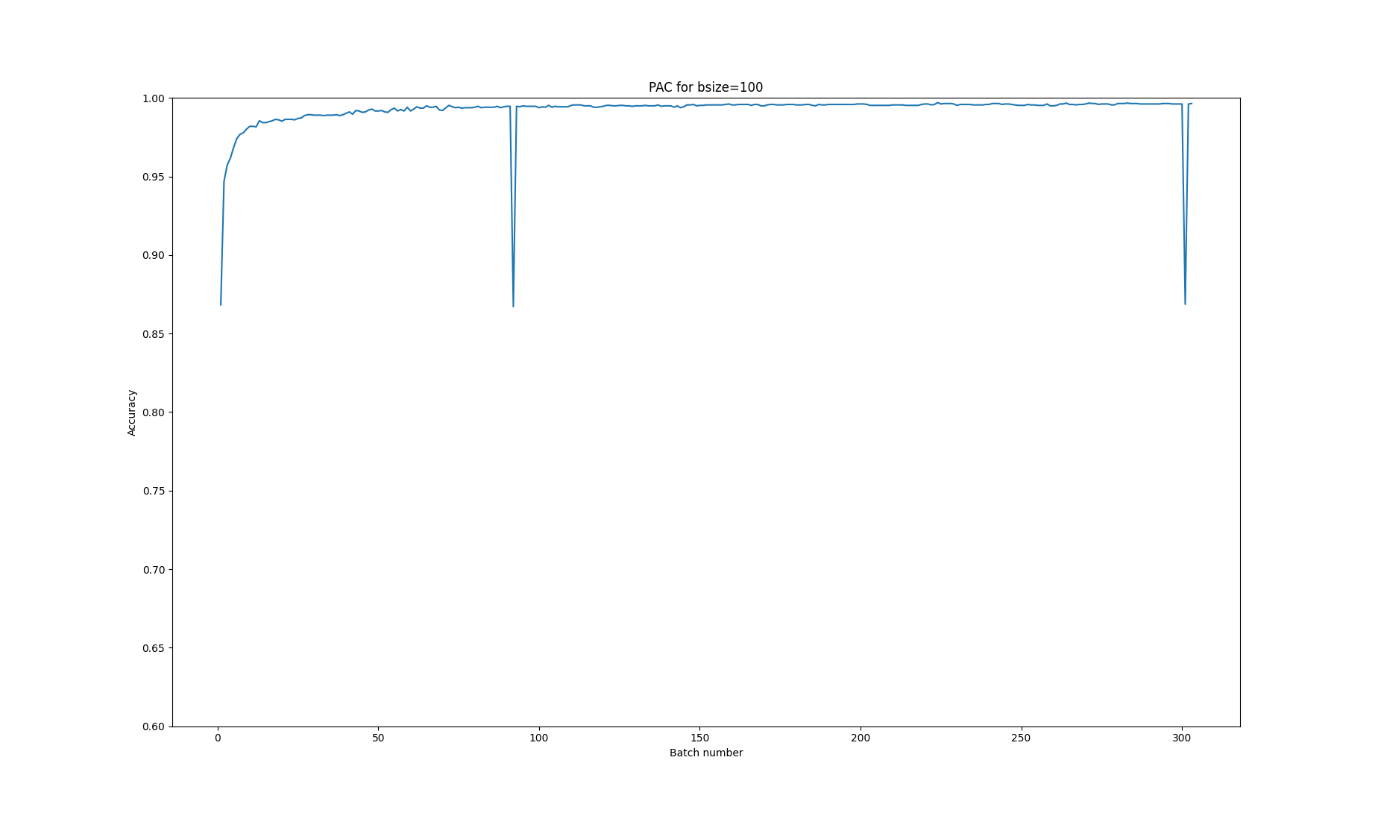
1. Below plots shows incremental learning batchwise for bsize=100
2. Naïve Bayes



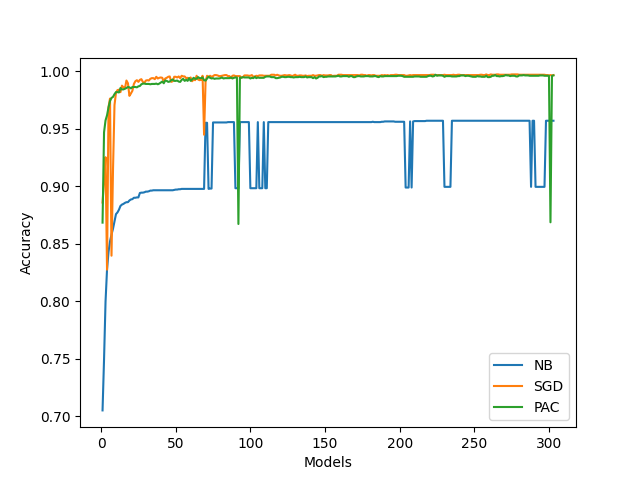
1. SGD



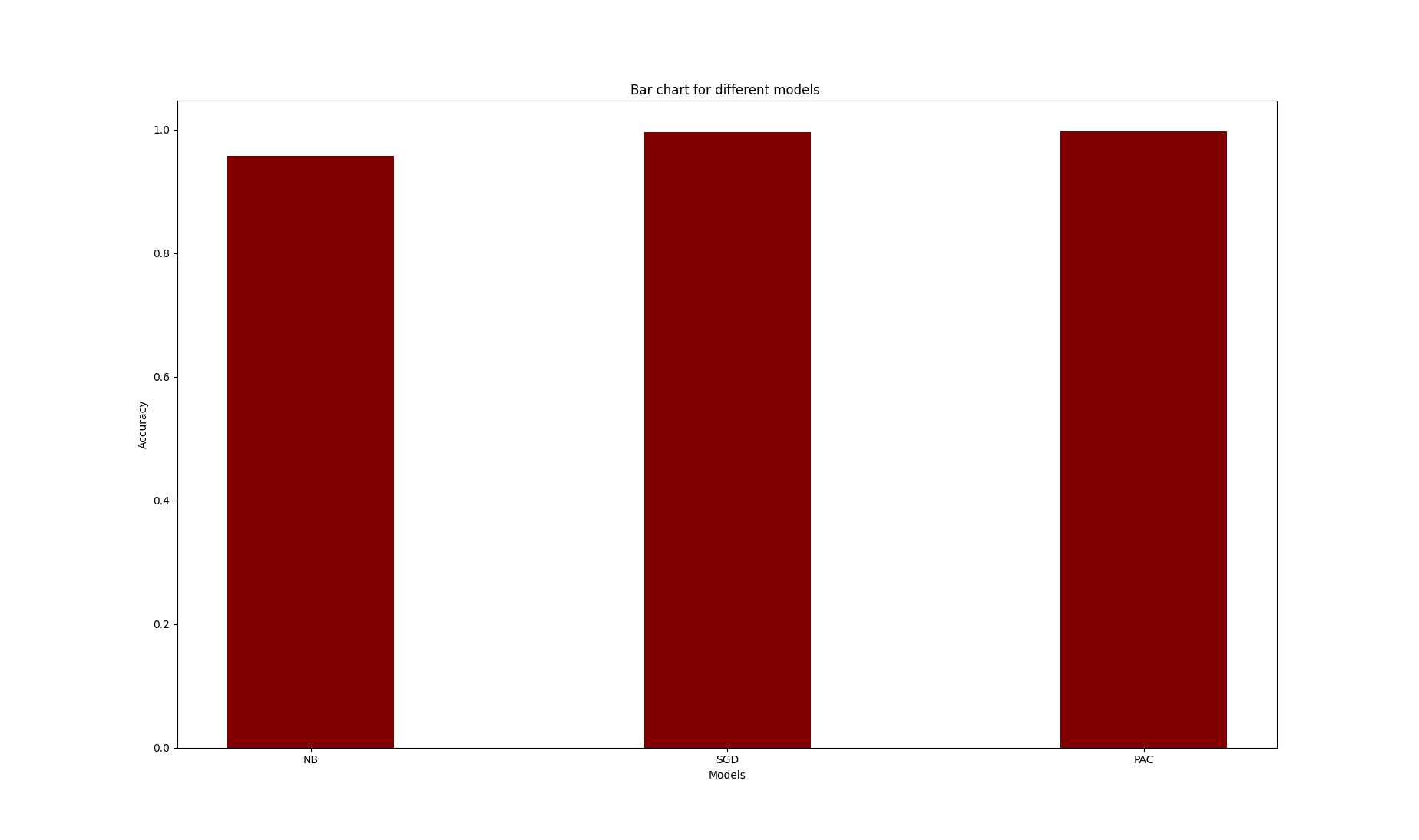
1. PAC



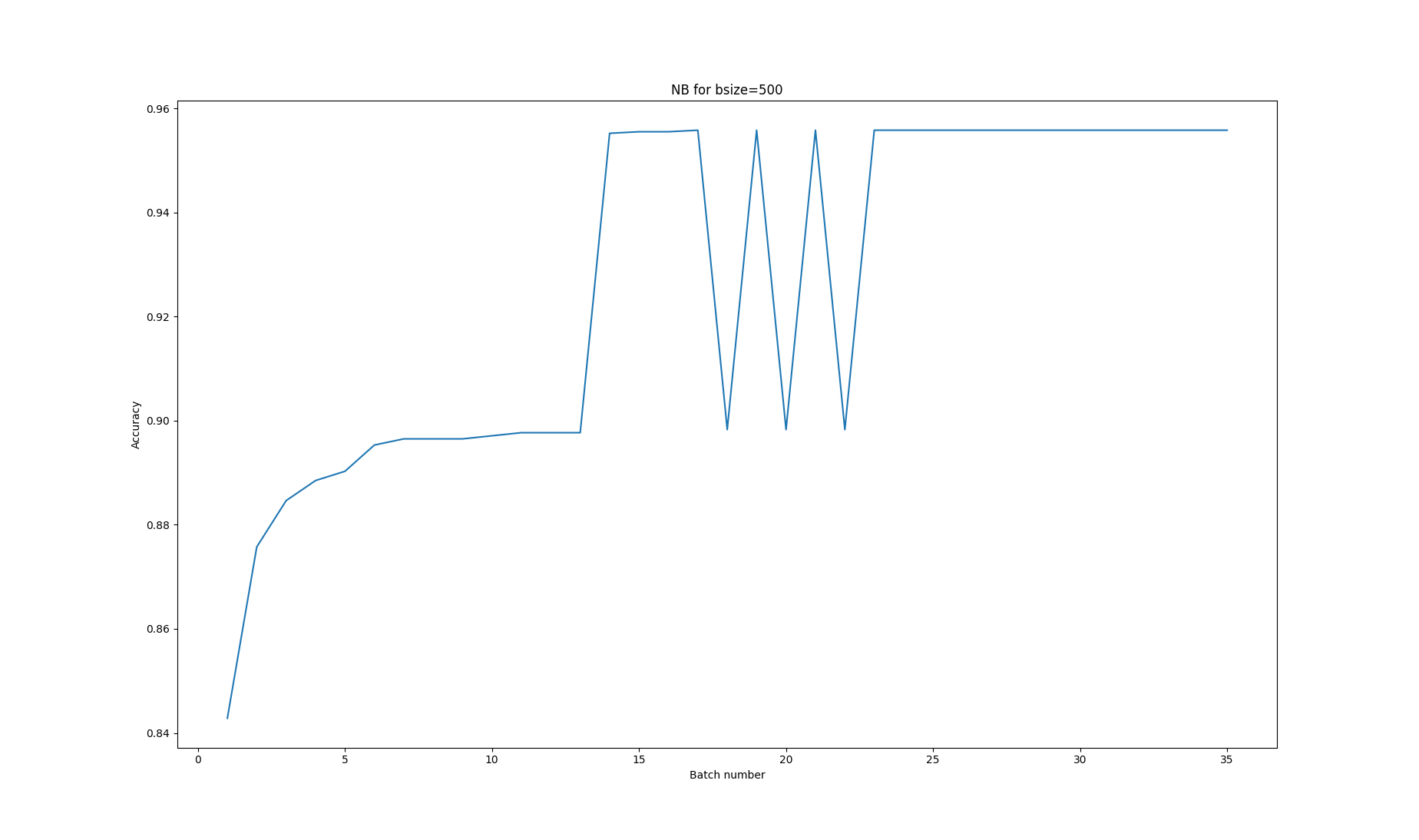
MULTIPLE LINE PLOTS OR BETTER VIZUALISATION :



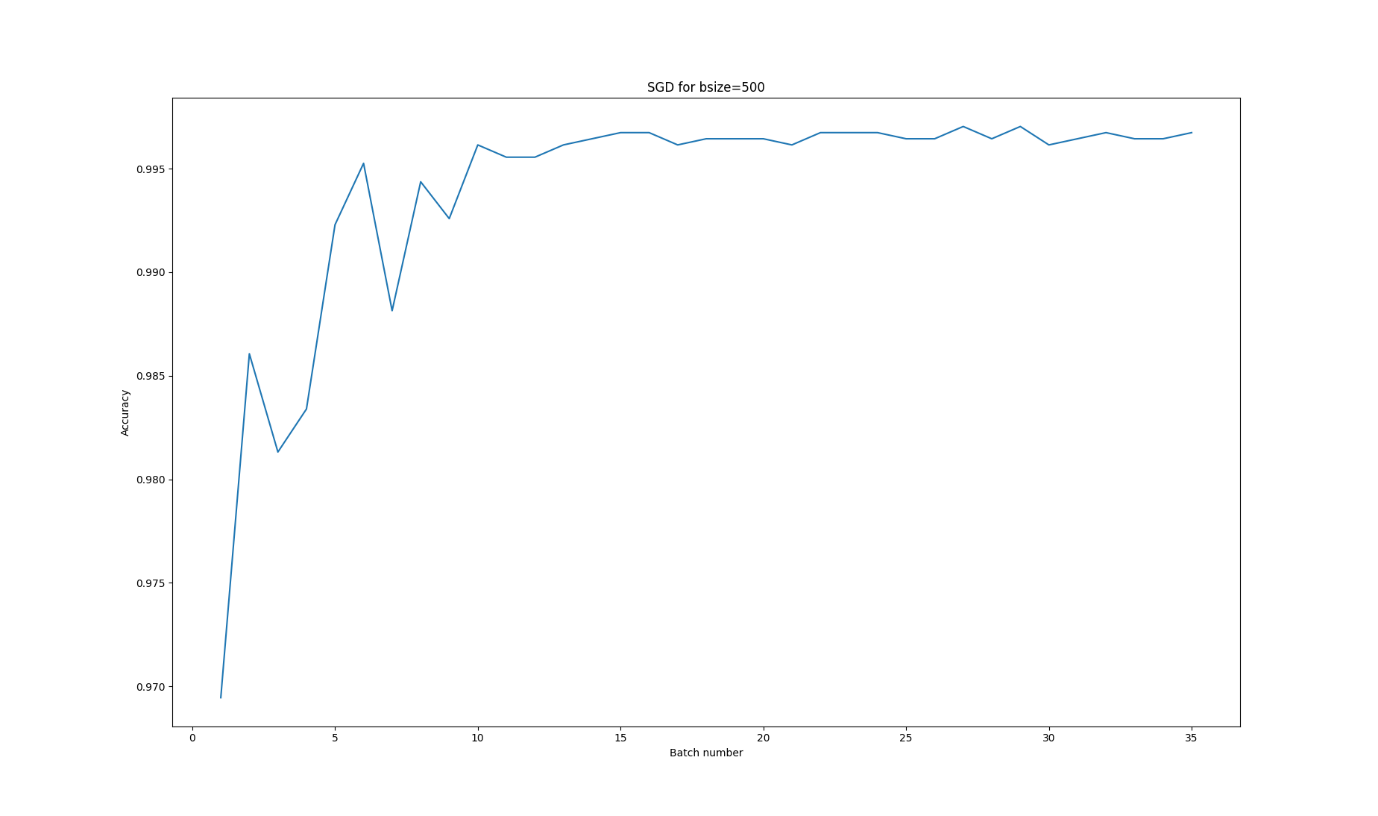
BAR PLOT FOR COMPARING ACCURACIES OF DIFFERENT MODELS:



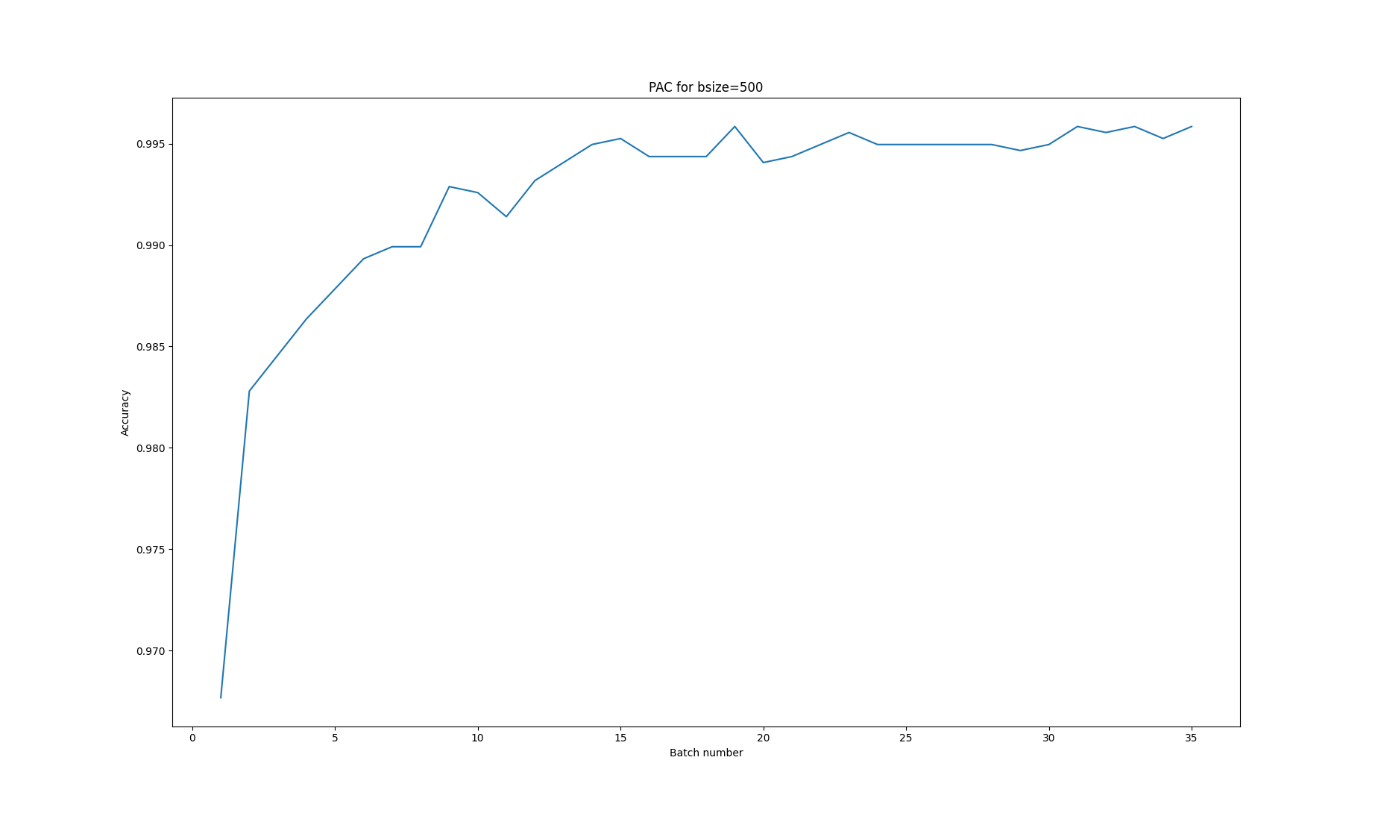
1. Below plots shows incremental learning batchwise for bsize=500
2. Naïve Bayes



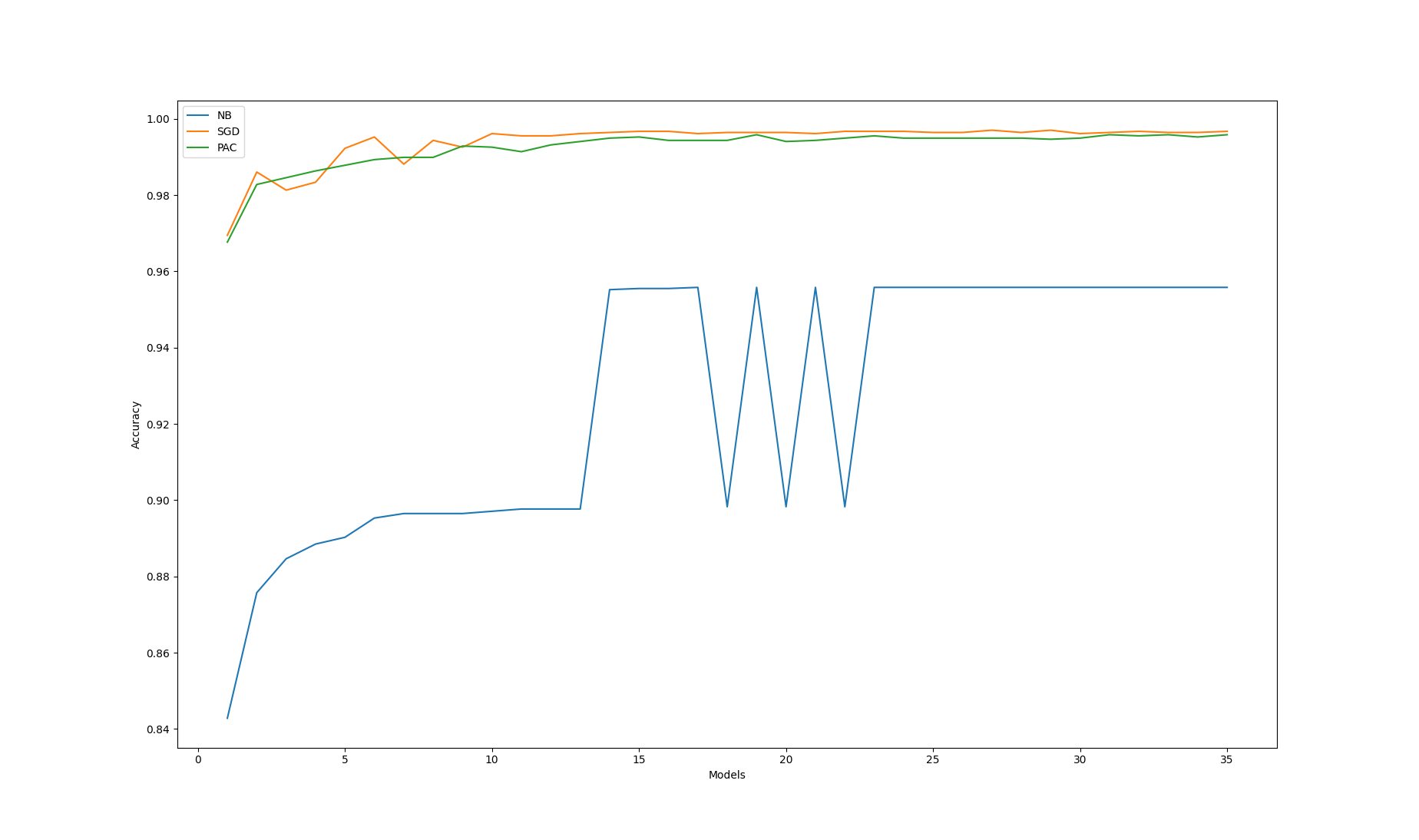
1. SGD



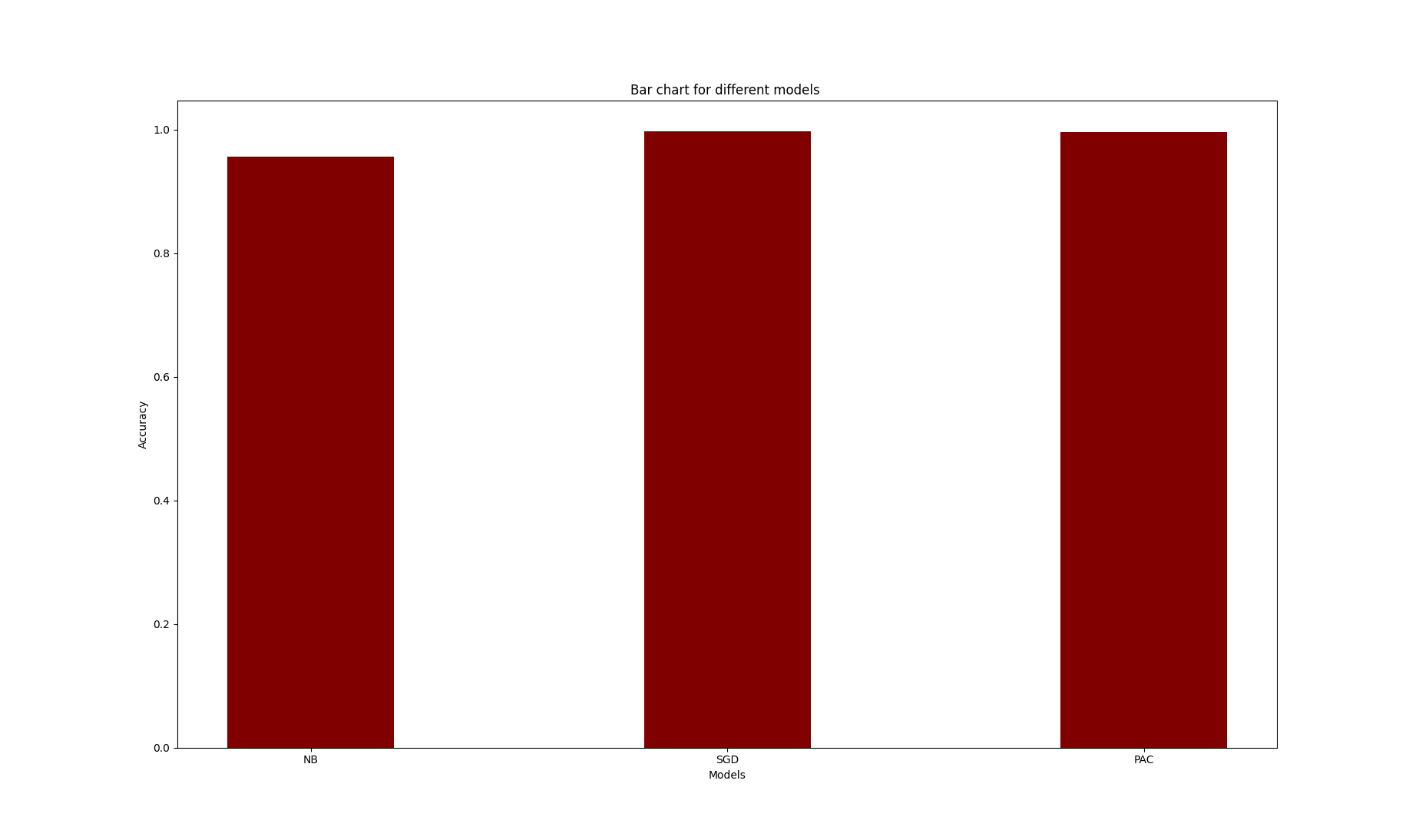
1. PAC



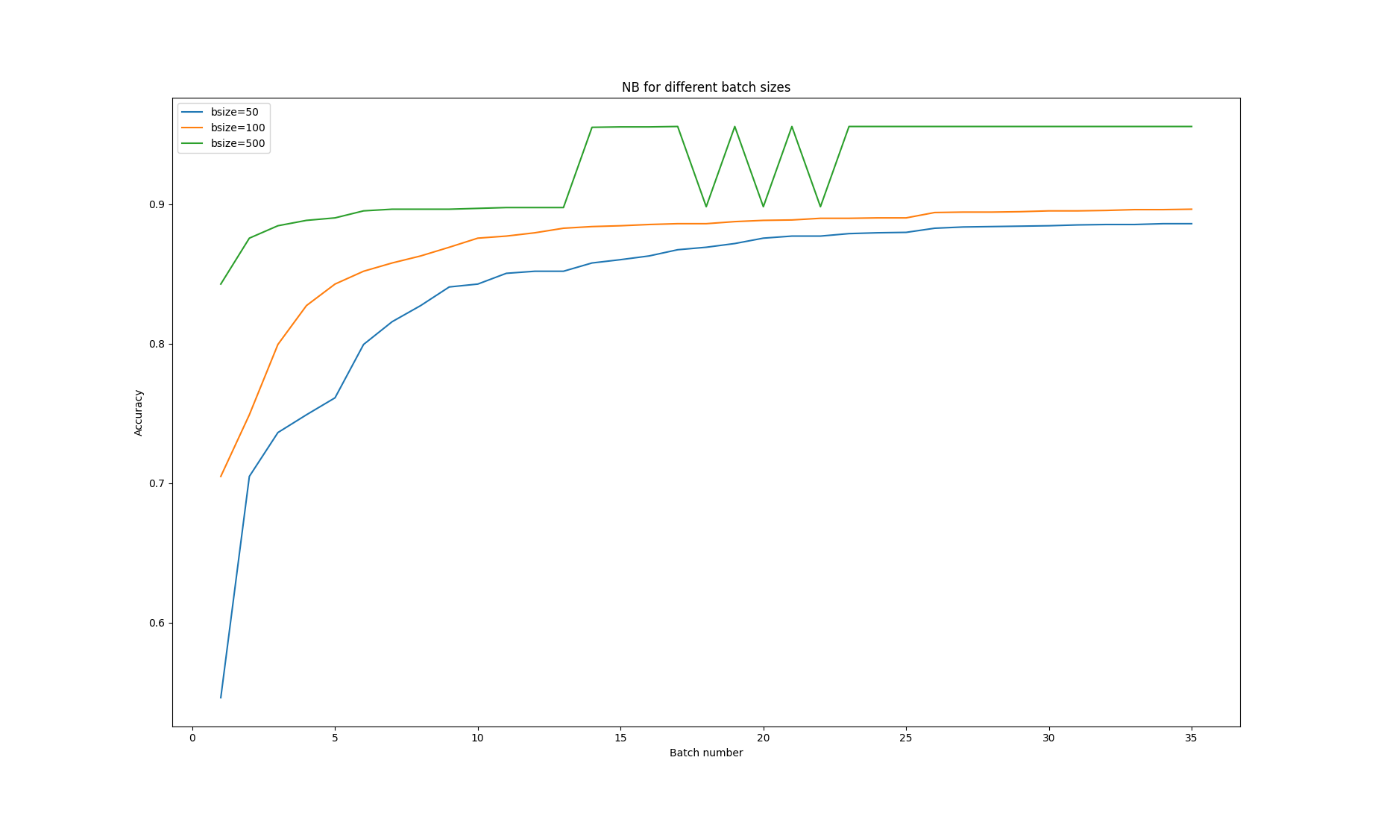
MULTIPLE LINE PLOTS FOR BETTER VIZUALISATION :



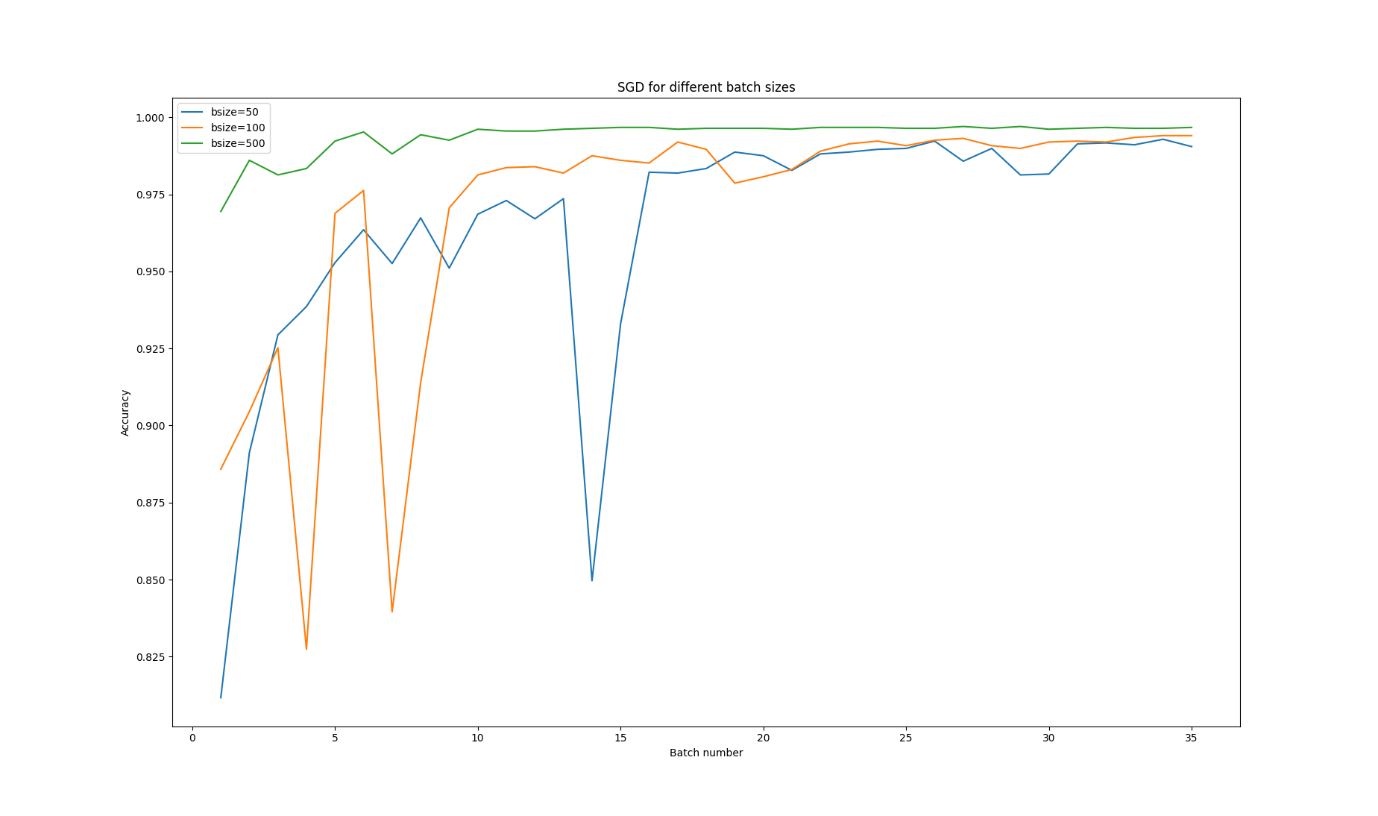
BAR PLOT FOR COMPARING ACCURACIES OF DIFFERENT MODELS:



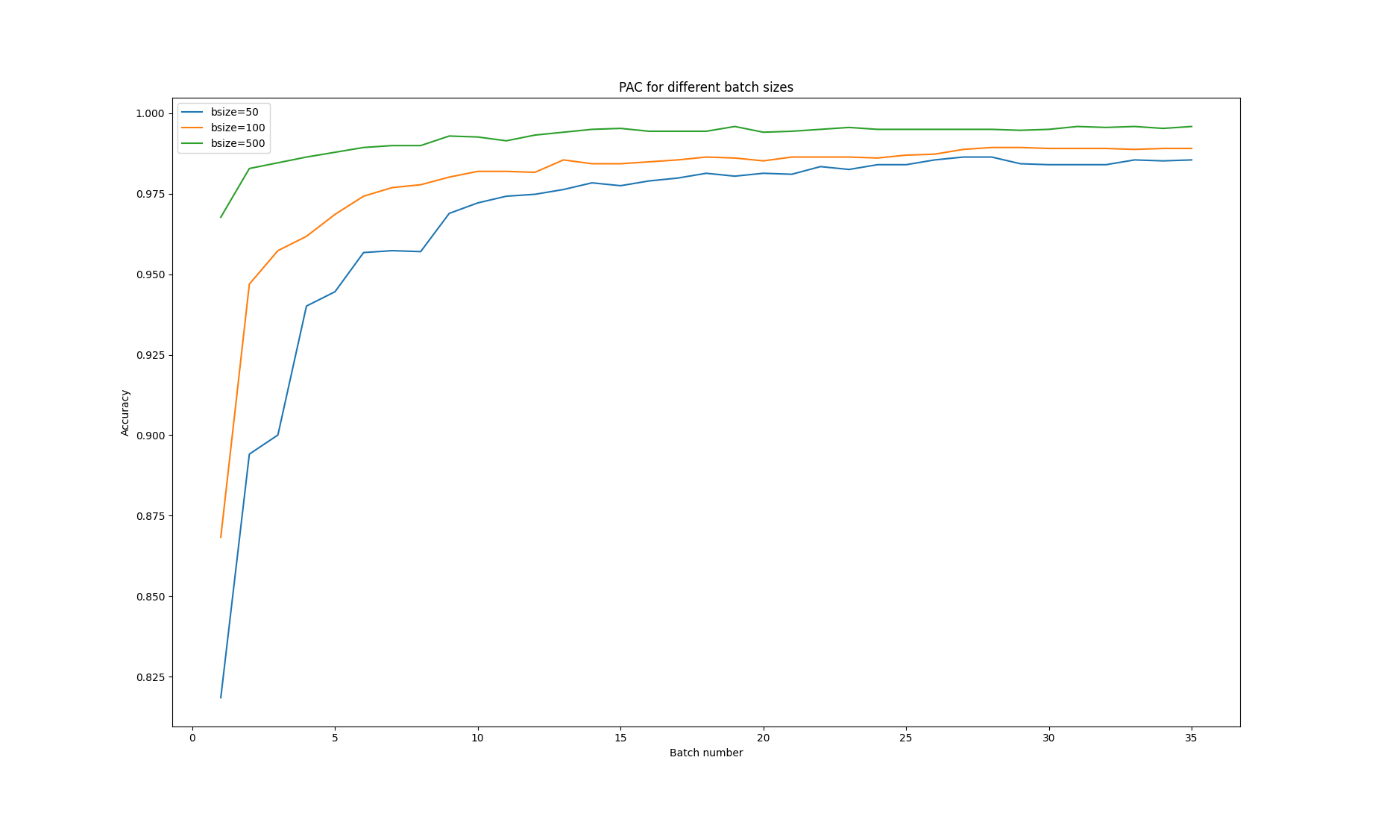
1. Comparing Models for different batch sizes:
2. Naïve Bayes



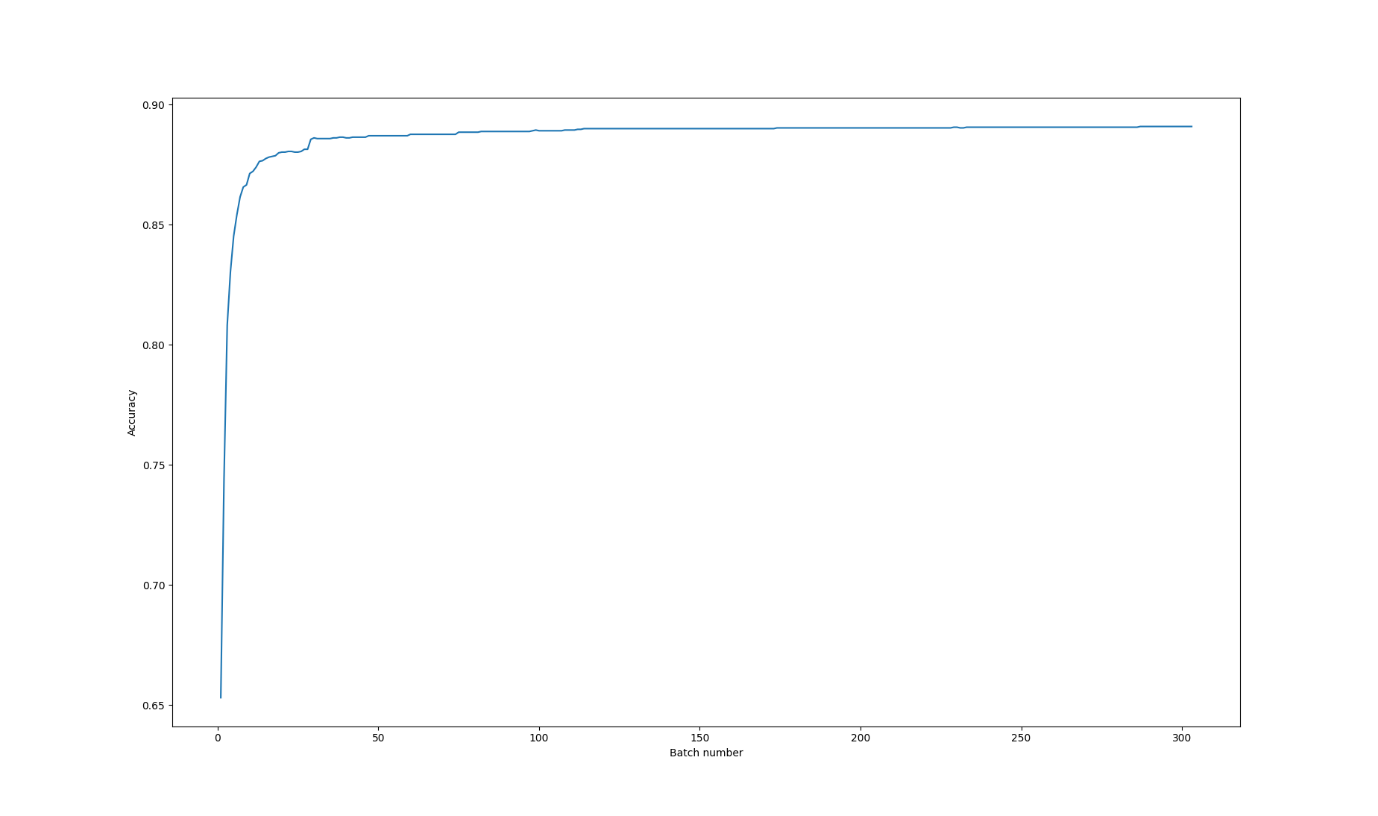
1. SGD



1. PAC

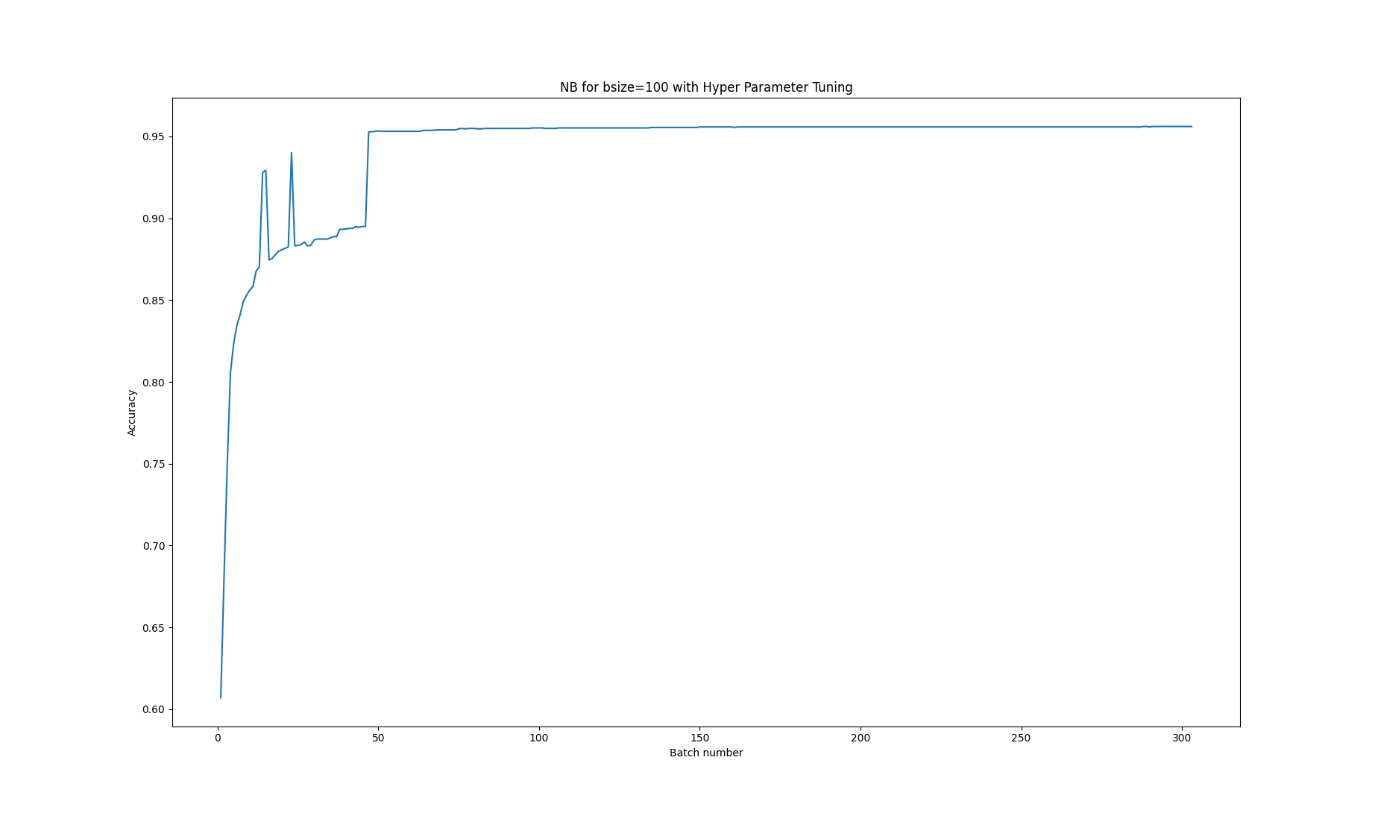


1. Hyper Parameter Tuning and Preprocessing :
2. Naïve Bayes:
3. Preprocessing - With Stopwords



1. Hyper Parameter tuning

alpha = 2, fit prior false



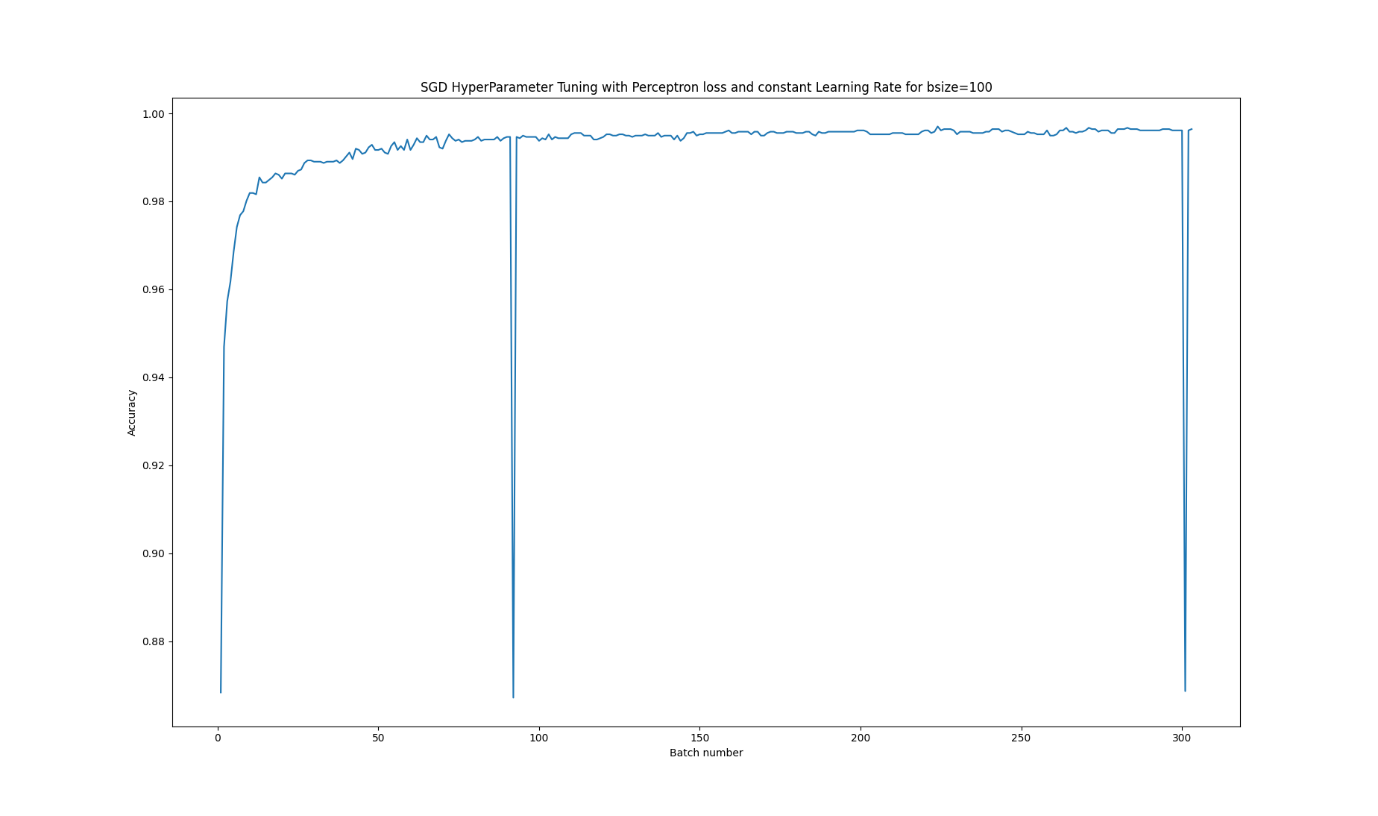
1. SGD – MLP
2. Hyper parameter tuning

Loss function – Perceptron loss

Eta0=1

Learning rate =constant

Bsize=100

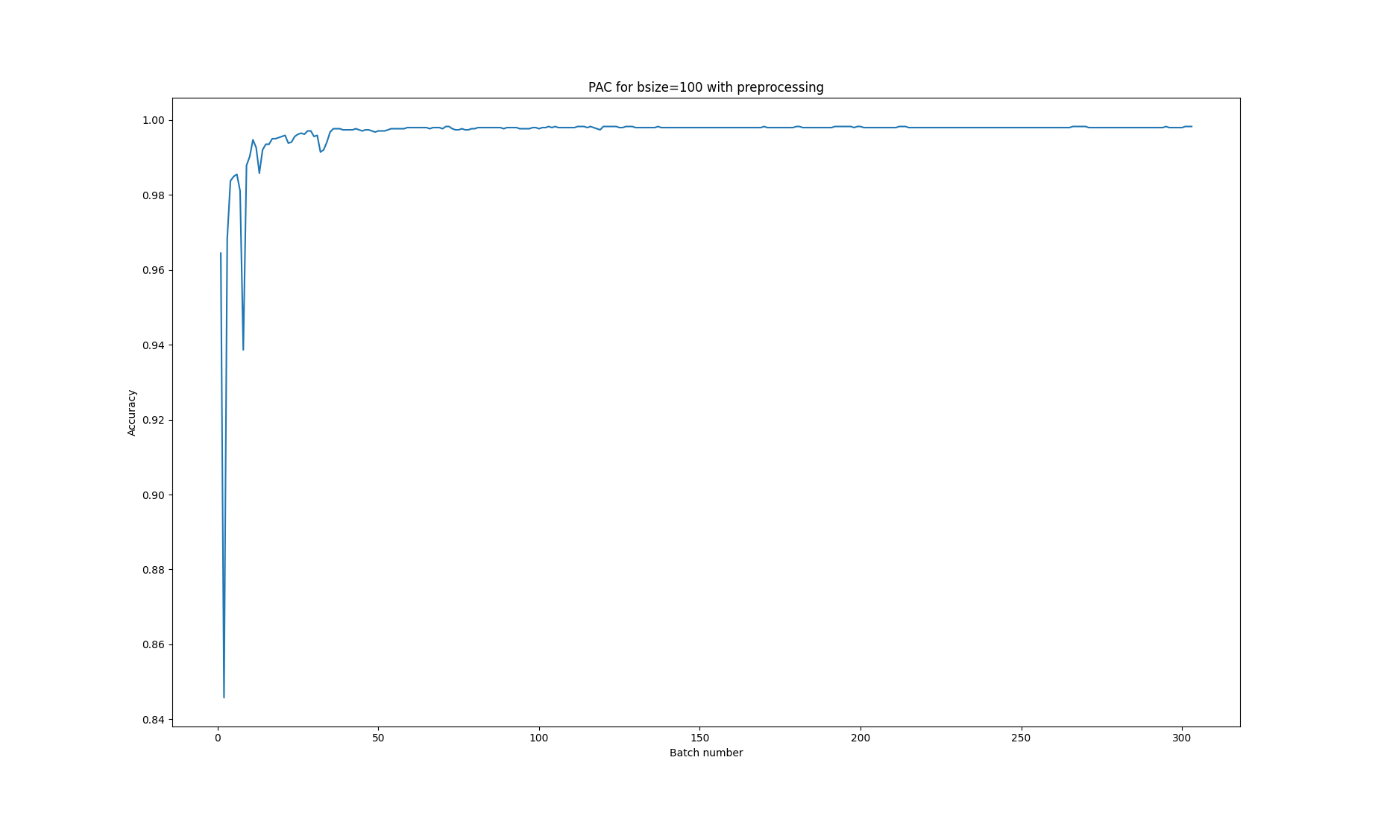


1. Preproccessing

Used stopwords

Added Hash vectorizer features=2\*\*10

Removed Stemming



1. PAC

parameters : shuffle=True, warm\_start=True

