Machine Learning

Logistic Regression

2 b)

	Given Label	Predicted label
(155, 40, 35)	Woman	Woman
(170, 70, 32)	Man	Man
(175, 70, 35)	Woman	Man
(180, 90, 20)	Man	Man

→ Logistic Regression classifier is an excellent predictor for dicothomous label data.

→ Naive Bayes treats the data as (iid) independent and also assumes the given data labels ~~as I~~ have no relation to each other. ~~If~~ With very large data sets, (as the sigmoid function reaches infinity), the logistic regression model performs much better than Naive Bayes