

Discriminative

Generative

Linear Regression

$$k = 2$$

LDA

$$\Sigma_k = \Sigma$$

QDA

$$\text{diag}\{\Sigma\}$$

$$\text{diag}\{\Sigma_k\}$$

Logistic Regression

GNB_linear

$$G_{jk} = G_j$$

GNB

Linear

Non-Linear

