Naïve Bayse

$$P(h \mid D) = \frac{P(D \mid h) \, P(h)}{P(D)}$$

A set of labels $V = \{v_1, \ldots, v_i\}$

Naïve Bayse Classifier becomes
Set of Cxamps $X = \{X_1, X_2 \ldots X_n\}$
epresented by features $\{f_1, f_2, \ldots f_m\}$

$$V_{NB} = \underset{v \in V}{\arg\max} \; P(v_j) \prod P(f_i \mid v_j)$$