

Classification

TF4063

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Probabilistic classifiers

$$P(T_{\text{new}} = c | \mathbf{x}_{\text{new}}, \mathbf{X}, \mathbf{t})$$

Bayes classifier

$$P(T_{\text{new}} = c | \mathbf{x}_{\text{new}}, \mathbf{X}, \mathbf{t}) = \frac{pp}{p(\mathbf{x}_{\text{new}})}$$