

# Active Learning

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Intro text. Talking about sigmoid. All here.

We assume a prior  $\pi(w)$  where  $w$  is a vector of parameters that describe our model. We collect data by giving a stimulus  $x \in \mathbb{R}$  and observing a binary response  $y \in \{0, 1\}$ :

$$D = \{(x_1, y_1), \dots, (x_n, y_n)\} \equiv (X, Y) \tag{1}$$