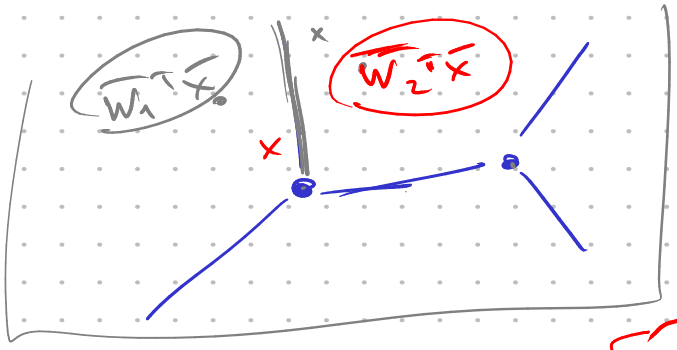


{точки, где $\max(\bar{w}_1^T\bar{x}, \bar{w}_2^T\bar{x}, \ldots, \bar{w}_k^T\bar{x})$ не единственный}

$\bar{w}^T\bar{x}=0$

$\bar{w}^T$ (x_1^2 … x_d^2 x_1x_2 … $x_{d-1}x_d$ x_1 … x_d)

one-vs-one

SVM

one-vs-rest

p_{model} $\sum(\ldots)$

p_{data}

$p_1(\bar{x}|C_1)$ $p_2(\bar{x}|C_2)$

$= \sum_k \mathcal{N}(\bar{x}|\bar{\mu}_k, \Sigma_k)$

LDA – $p(\bar{x}|C_k)=\mathcal{N}(\bar{x}|\bar{\mu}_k,\Sigma)$

QDA — — $\bar{\mu}_k, \Sigma_k$

Optimal Bayes classifier

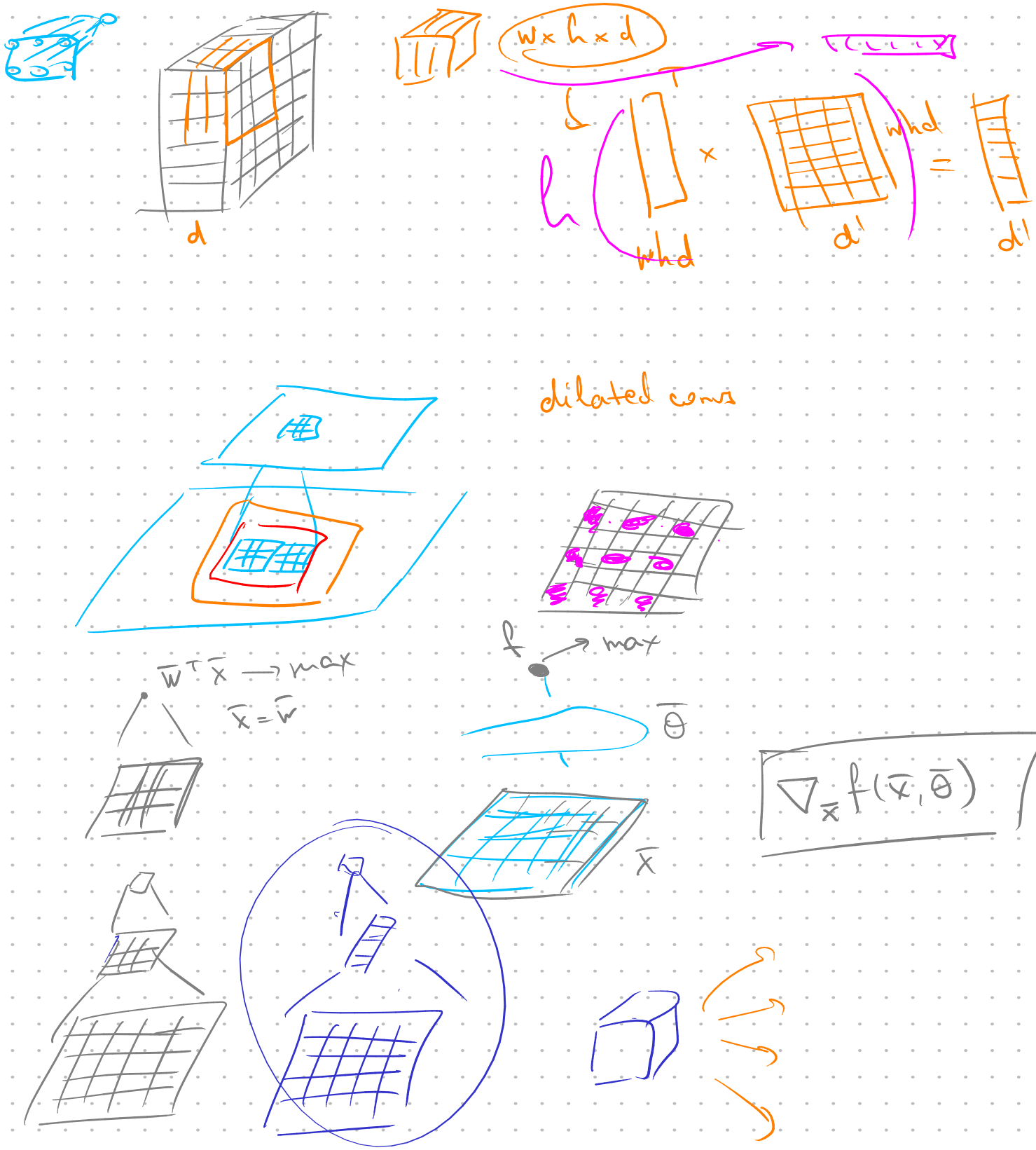
$$p(C_1|\bar{x}) = \frac{p(C_1)p(\bar{x}|C_1)}{p(C_1)p(\bar{x}|C_1)+p(C_2)p(\bar{x}|C_2)}$$

$M_1, \ldots, M_k$

$\bar{\theta} \quad - \quad \bar{\theta}$

$p(M_i|D) \propto p(M_i)\,p(D|M_i)$

$$p(\theta|D) = \frac{p(\theta)p(D|\theta)}{p(D)}$$


w × h × d
d
whd
d'
whd
=
d'
dilated convs
f
max
$\bar{w}^T \bar{x} \rightarrow max$
$\bar{x} = \bar{w}$
$\bar{\theta}$
$\bar{x}$
$\nabla_{\bar{x}} f(\bar{x}, \bar{\theta})$