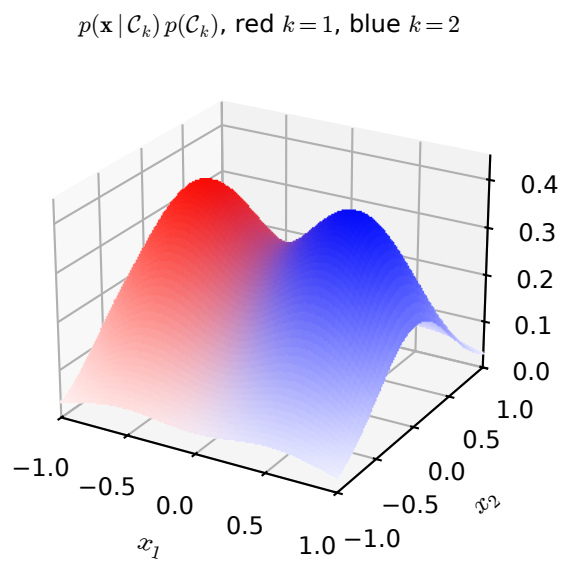
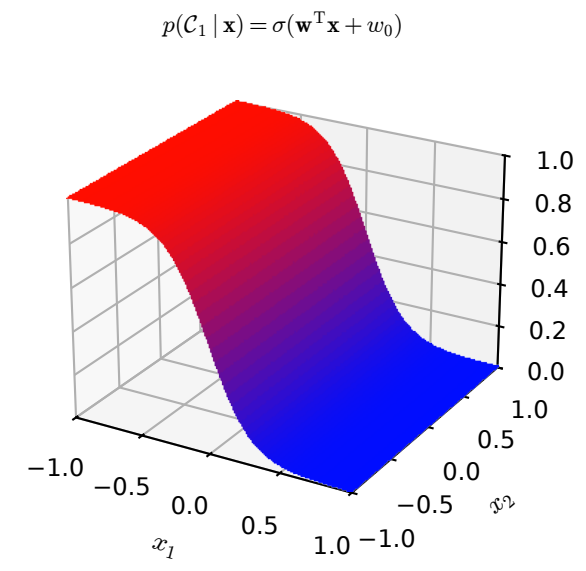

$p(\mathbf{x} \mid \mathcal{C}_k)\, p(\mathcal{C}_k)$, red $k = 1$, blue $k = 2$
0.4
0.3
0.2
0.1
0.0
−1.0
−0.5
0.0
0.5
1.0
x_1
1.0
0.5
0.0
−0.5
−1.0
x_2


$p(\mathcal{C}_1 \mid \mathbf{x}) = \sigma(\mathbf{w}^{\mathrm{T}}\mathbf{x} + w_0)$
1.0
0.8
0.6
0.4
0.2
0.0
−1.0
−0.5
0.0
0.5
1.0
x_1
1.0
0.5
0.0
−0.5
−1.0
x_2