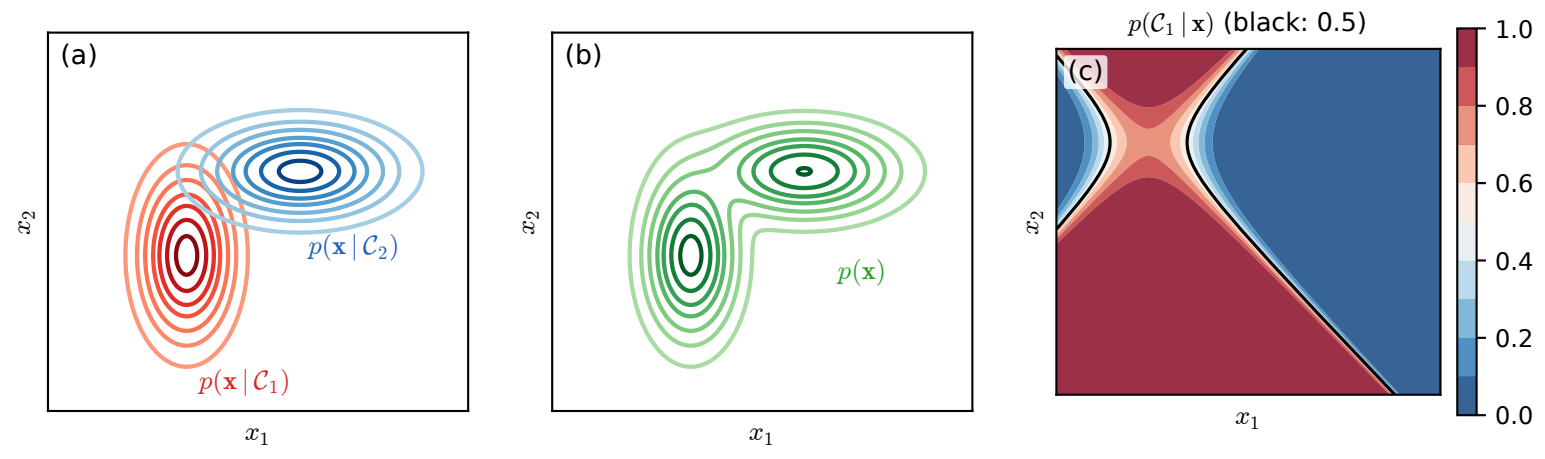

(a)
$p(\mathbf{x} \mid \mathcal{C}_2)$
$p(\mathbf{x} \mid \mathcal{C}_1)$
x_1
x_2
(b)
$p(\mathbf{x})$
x_1
x_2
$p(\mathcal{C}_1 \mid \mathbf{x})$ (black: 0.5)
(c)
x_1
x_2
1.0
0.8
0.6
0.4
0.2
0.0