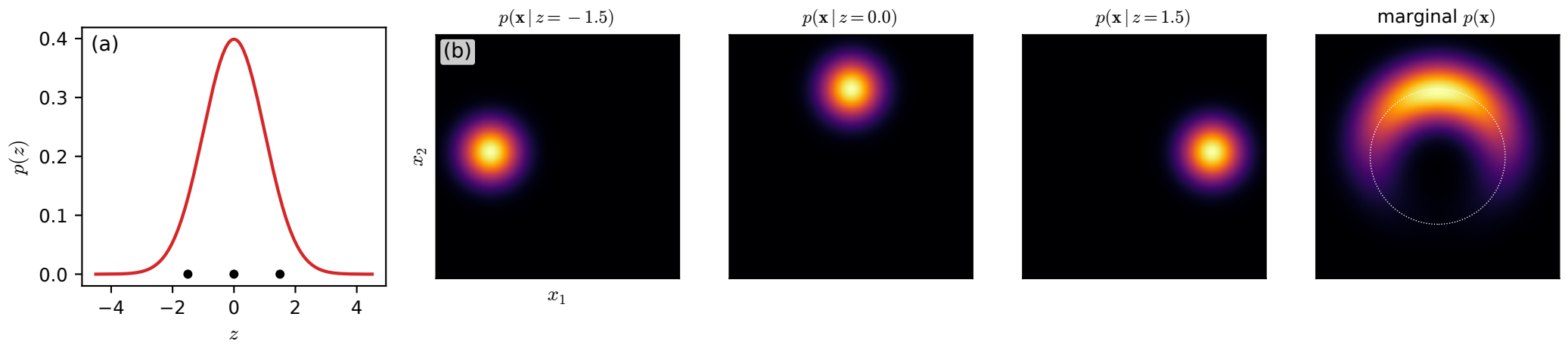

(a)
0.4
0.3
0.2
0.1
0.0
$p(z)$
−4
−2
0
2
4
z
$p(\mathbf{x} \mid z = -1.5)$
$p(\mathbf{x} \mid z = 0.0)$
$p(\mathbf{x} \mid z = 1.5)$
marginal $p(\mathbf{x})$
(b)
x_2
x_1