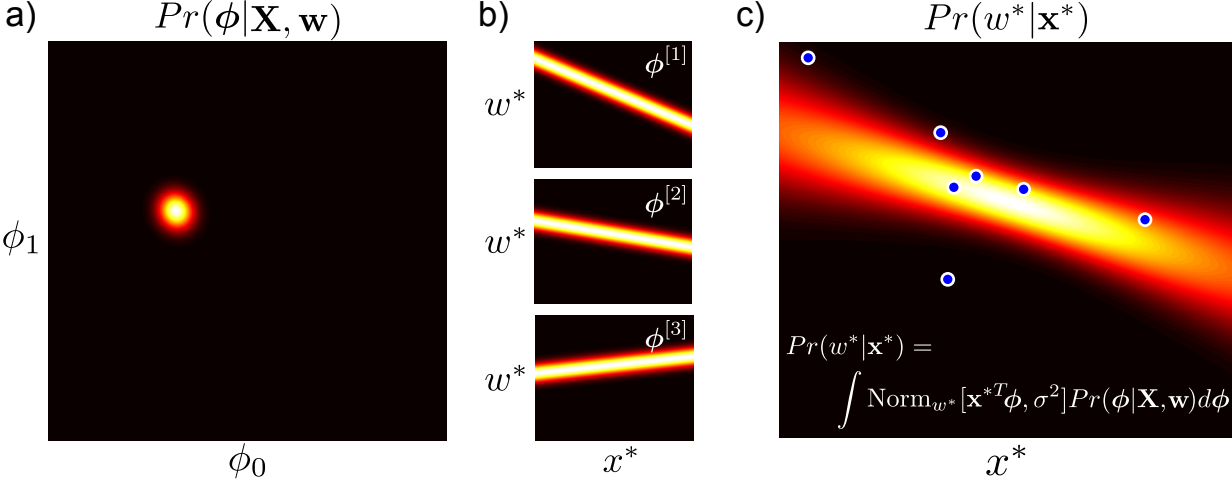
a)
$Pr(\boldsymbol{\phi}|\mathbf{X},\mathbf{w})$
ϕ_1
ϕ_0
b)
$\phi^{[1]}$
$\phi^{[2]}$
$\phi^{[3]}$
w^*
w^*
w^*
x^*
c)
$Pr(w^*|\mathbf{x}^*)$
$Pr(w^*|\mathbf{x}^*) =$
$\int \mathrm{Norm}_{w^*}[\mathbf{x}^{*T}\boldsymbol{\phi}, \sigma^2] Pr(\boldsymbol{\phi}|\mathbf{X},\mathbf{w}) d\boldsymbol{\phi}$
x^*