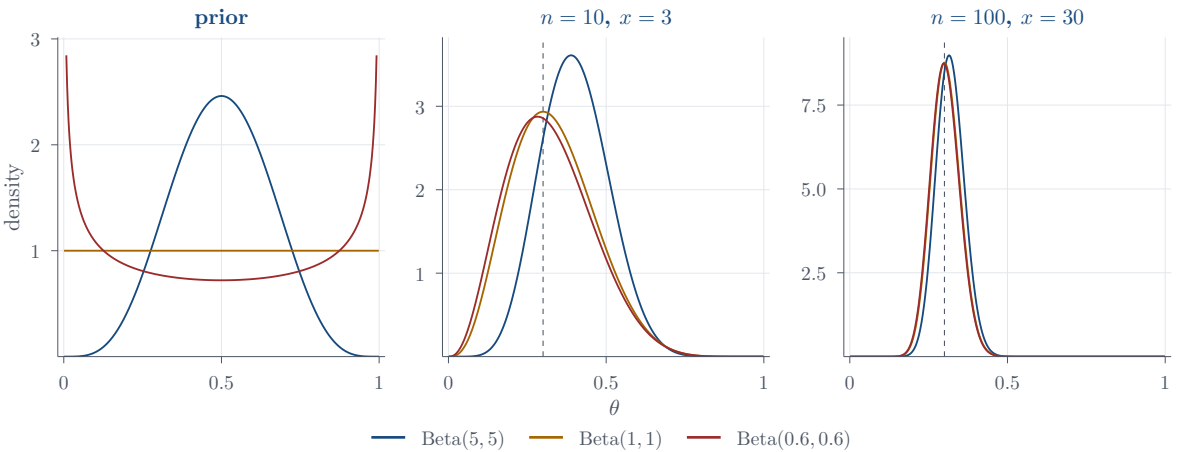

prior
$n = 10,\ x = 3$
$n = 100,\ x = 30$
density
θ
Beta(5, 5)
Beta(1, 1)
Beta(0.6, 0.6)