random start, loose, n = 1000,  $\sigma = 2$ 2.0 true value :  $\theta = 0.3$ no constraint (66.667 % are out of [0, 1]) 1.5 counts 1.0 0.5 0.0  $-1.00 \times 10^{5}$  $-7.50 \times 10^4$  $-5.00 \times 10^4$  $-2.50 \times 10^4$ θ