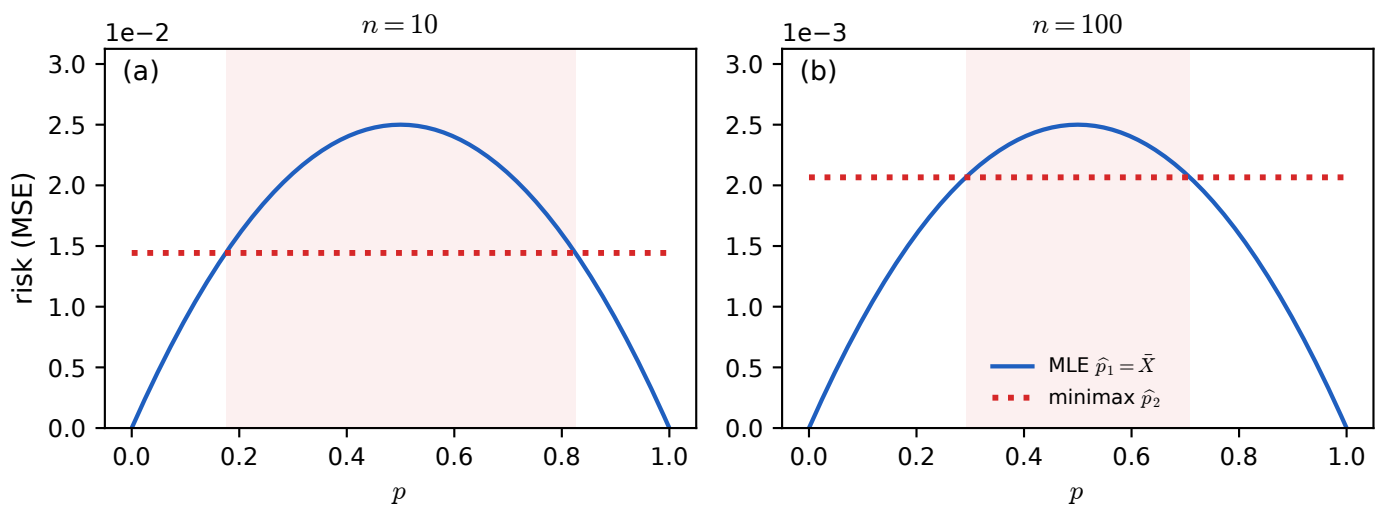

(a)
$n = 10$
1e−2
risk (MSE)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.0
0.2
0.4
0.6
0.8
1.0
p
(b)
$n = 100$
1e−3
MLE $\widehat{p}_1 = \bar{X}$
minimax $\widehat{p}_2$
p