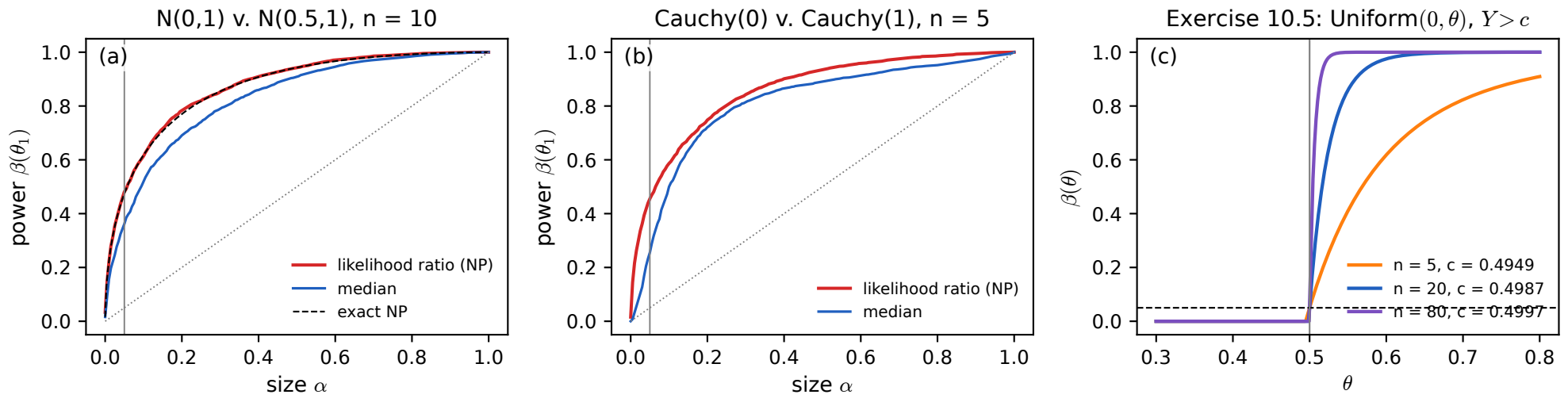

N(0,1) v. N(0.5,1), n = 10
(a)
power $\beta(\theta_1)$
size α
likelihood ratio (NP)
median
exact NP
Cauchy(0) v. Cauchy(1), n = 5
(b)
power $\beta(\theta_1)$
size α
likelihood ratio (NP)
median
Exercise 10.5: Uniform$(0,\theta)$, $Y>c$
(c)
$\beta(\theta)$
θ
n = 5, c = 0.4949
n = 20, c = 0.4987
n = 80, c = 0.4997