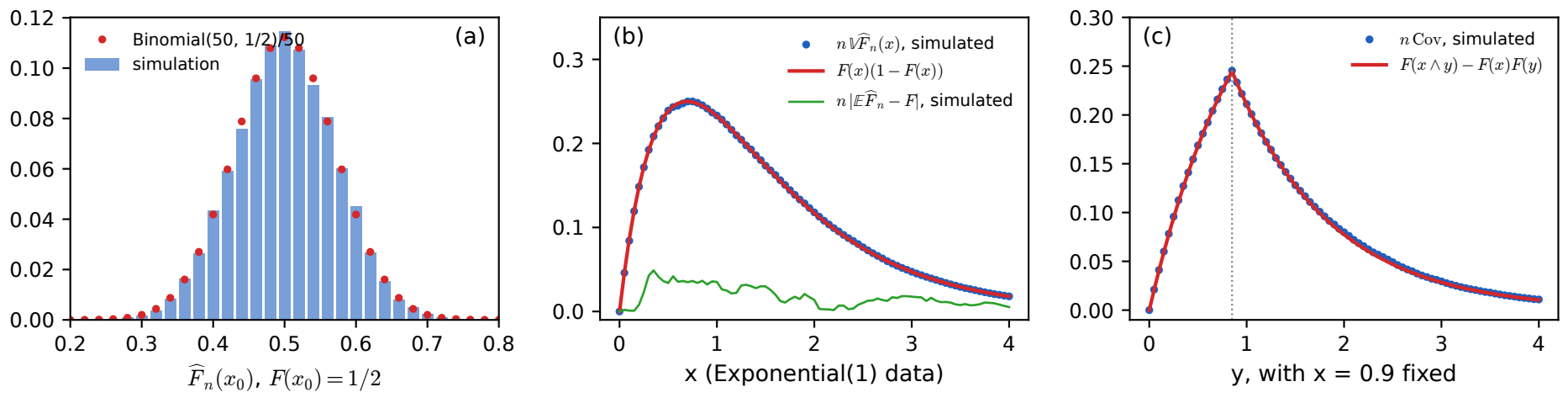

(a)
Binomial(50, 1/2)/50
simulation
$\widehat{F}_n(x_0)$, $F(x_0) = 1/2$
(b)
$n\mathbb{V}\widehat{F}_n(x)$, simulated
$F(x)(1-F(x))$
$n|\mathbb{E}\widehat{F}_n - F|$, simulated
x (Exponential(1) data)
(c)
$n\,\mathrm{Cov}$, simulated
$F(x \wedge y) - F(x)F(y)$
y, with x = 0.9 fixed