$N,\ k \setminus n$	$n = 25$	$n = 100$	$n = 1,000$	$n = 10,000$	$n = 100,000$
$N = 10,$ $k = 8$	$\sigma^2_{min} = 0.00850$ $\sigma^2 = 0.00938$ $\sigma = 0.09686$ $bias = 0.03114$	$\sigma^2_{min} = 0.01150$ $\sigma^2 = 0.01204$ $\sigma = 0.10973$ $bias = 0.01650$	$\sigma^2_{min} = 0.01240$ $\sigma^2 = 0.01330$ $\sigma = 0.11531$ $bias = 0.01577$	$\sigma^2_{min} = 0.01249$ $\sigma^2 = 0.01307$ $\sigma = 0.11432$ $bias = 0.01378$	$\sigma^2_{min} = 0.01250$ $\sigma^2 = 0.01296$ $\sigma = 0.11384$ $bias = 0.01178$
$N = 10,$ $k = 20$	$\sigma^2_{min} = 0.00100$ $\sigma^2 = 0.00115$ $\sigma = 0.03398$ $bias = 0.02352$	$\sigma^2_{min} = 0.00400$ $\sigma^2 = 0.00409$ $\sigma = 0.06394$ $bias = 0.00858$	$\sigma^2_{min} = 0.00490$ $\sigma^2 = 0.00513$ $\sigma = 0.07160$ $bias = 0.00545$	$\sigma^2_{min} = 0.00499$ $\sigma^2 = 0.00513$ $\sigma = 0.07163$ $bias = 0.00564$	$\sigma^2_{min} = 0.00500$ $\sigma^2 = 0.00508$ $\sigma = 0.07130$ $bias = 0.00535$
$N = 25,$ $k = 8$	$\sigma^2_{min} = 0.00340$ $\sigma^2 = 0.00359$ $\sigma = 0.05993$ $bias = 0.02431$	$\sigma^2_{min} = 0.00460$ $\sigma^2 = 0.00473$ $\sigma = 0.06879$ $bias = 0.00942$	$\sigma^2_{min} = 0.00496$ $\sigma^2 = 0.00517$ $\sigma = 0.07191$ $bias = 0.00536$	$\sigma^2_{min} = 0.00500$ $\sigma^2 = 0.00514$ $\sigma = 0.07171$ $bias = 0.00529$	$\sigma^2_{min} = 0.00500$ $\sigma^2 = 0.00508$ $\sigma = 0.07128$ $bias = 0.00436$
$N = 25,$ $k = 20$	$\sigma^2_{min} = 0.00040$ $\sigma^2 = 0.00046$ $\sigma = 0.02143$ $bias = 0.02169$	$\sigma^2_{min} = 0.00160$ $\sigma^2 = 0.00162$ $\sigma = 0.04028$ $bias = 0.00729$	$\sigma^2_{min} = 0.00196$ $\sigma^2 = 0.00196$ $\sigma = 0.04423$ $bias = 0.00212$	$\sigma^2_{min} = 0.00200$ $\sigma^2 = 0.00208$ $\sigma = 0.04558$ $bias = 0.00237$	$\sigma^2_{min} = 0.00200$ $\sigma^2 = 0.00203$ $\sigma = 0.04504$ $bias = 0.00215$
$N = 50,$ $k = 8$	$\sigma^2_{min} = 0.00170$ $\sigma^2 = 0.00182$ $\sigma = 0.04265$ $bias = 0.02276$	$\sigma^2_{min} = 0.00230$ $\sigma^2 = 0.00235$ $\sigma = 0.04848$ $bias = 0.00800$	$\sigma^2_{min} = 0.00248$ $\sigma^2 = 0.00252$ $\sigma = 0.05016$ $bias = 0.00349$	$\sigma^2_{min} = 0.00250$ $\sigma^2 = 0.00254$ $\sigma = 0.05039$ $bias = 0.00252$	$\sigma^2_{min} = 0.00250$ $\sigma^2 = 0.00252$ $\sigma = 0.05024$ $bias = 0.00188$
$N = 50,$ $k = 20$	$\sigma^2_{min} = 0.00020$ $\sigma^2 = 0.00022$ $\sigma = 0.01483$ $bias = 0.02118$	$\sigma^2_{min} = 0.00080$ $\sigma^2 = 0.00081$ $\sigma = 0.02851$ $bias = 0.00545$	$\sigma^2_{min} = 0.00098$ $\sigma^2 = 0.00099$ $\sigma = 0.03153$ $bias = 0.00132$	$\sigma^2_{min} = 0.00100$ $\sigma^2 = 0.00102$ $\sigma = 0.03191$ $bias = 0.00109$	$\sigma^2_{min} = 0.00100$ $\sigma^2 = 0.00101$ $\sigma = 0.03184$ $bias = 0.00065$

$\hat{n} = \frac{k}{1-\exp(\overline{L}_u)}$, where $\overline{L}_u = \frac{1}{N}\sum_{i=1}^{N} \ln(1 - x_i)$

$\sigma^2_{min} = \mathrm{Var}\left(\frac{\hat{n}}{n}\right)_{\min} \approx \frac{1}{N}\left(\frac{1}{k} - \frac{1}{n}\right)$