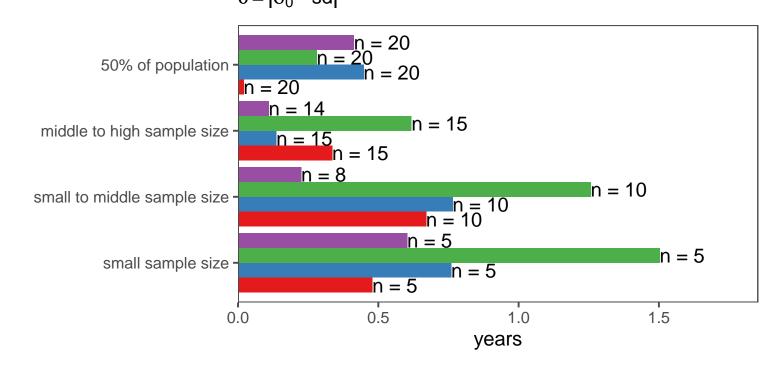
## Difference in sd

$$\delta = |\sigma_0 - \text{sd}|$$

clustered sampling



simple random sampling

stratified sampling

syste