

1. Given a normal distribution with mean 47 and standard deviation 97, use the `pnorm` function to calculate the probability of obtaining values between -121 and 151 from this distribution.
2. Suppose we sample from a population with a normal distribution and mean 117 and standard deviation 23. Sample size is 95.

What is the standard error going to be when sample size is 95, and what would it be when 9025?

- (a) 2.36, 0.242
- (b) 4.956, 3.146
- (c) 1.18, 0.242
- (d) 2.36, 0.121
- (e) 1.18, 0.484