

1. Given a normal distribution with mean 54 and standard deviation 91, use the `pnorm` function to calculate the probability of obtaining values between -152 and 109 from this distribution.
2. Suppose we sample from a population with a normal distribution and mean 97 and standard deviation 2. Sample size is 111.

What is the standard error going to be when sample size is 111, and what would it be when 12321?

- (a) 0.19,0.018
- (b) 0.399,0.234
- (c) 0.095, 0.018
- (d) 0.19, 0.009
- (e) 0.095, 0.036