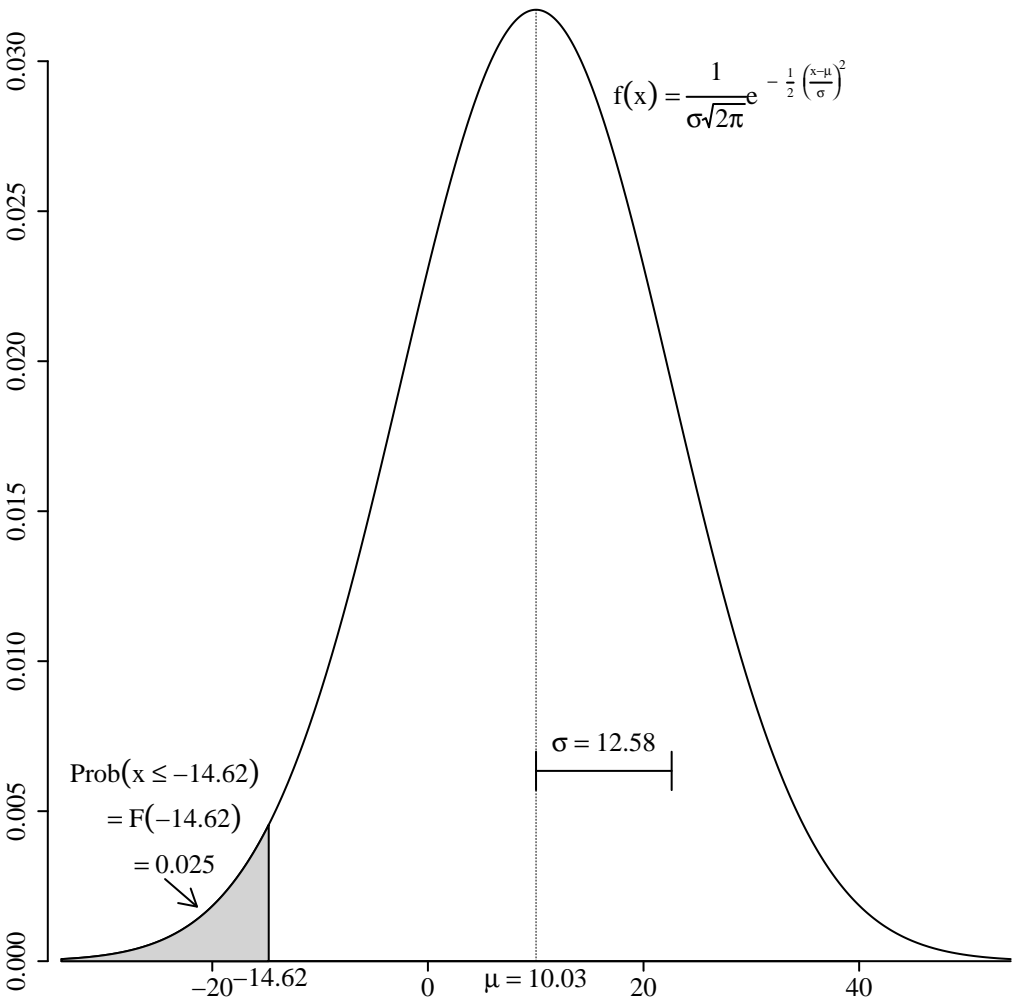


$x \sim \text{Normal}(\mu = 10.03, \sigma = 12.58)$

Probability Density

$$f(x) = \frac{1}{\sigma\sqrt{2\pi}} e^{-\frac{1}{2}\left(\frac{x-\mu}{\sigma}\right)^2}$$



$\text{Prob}(x \leq -14.62)$
 $= F(-14.62)$
 $= 0.025$

x