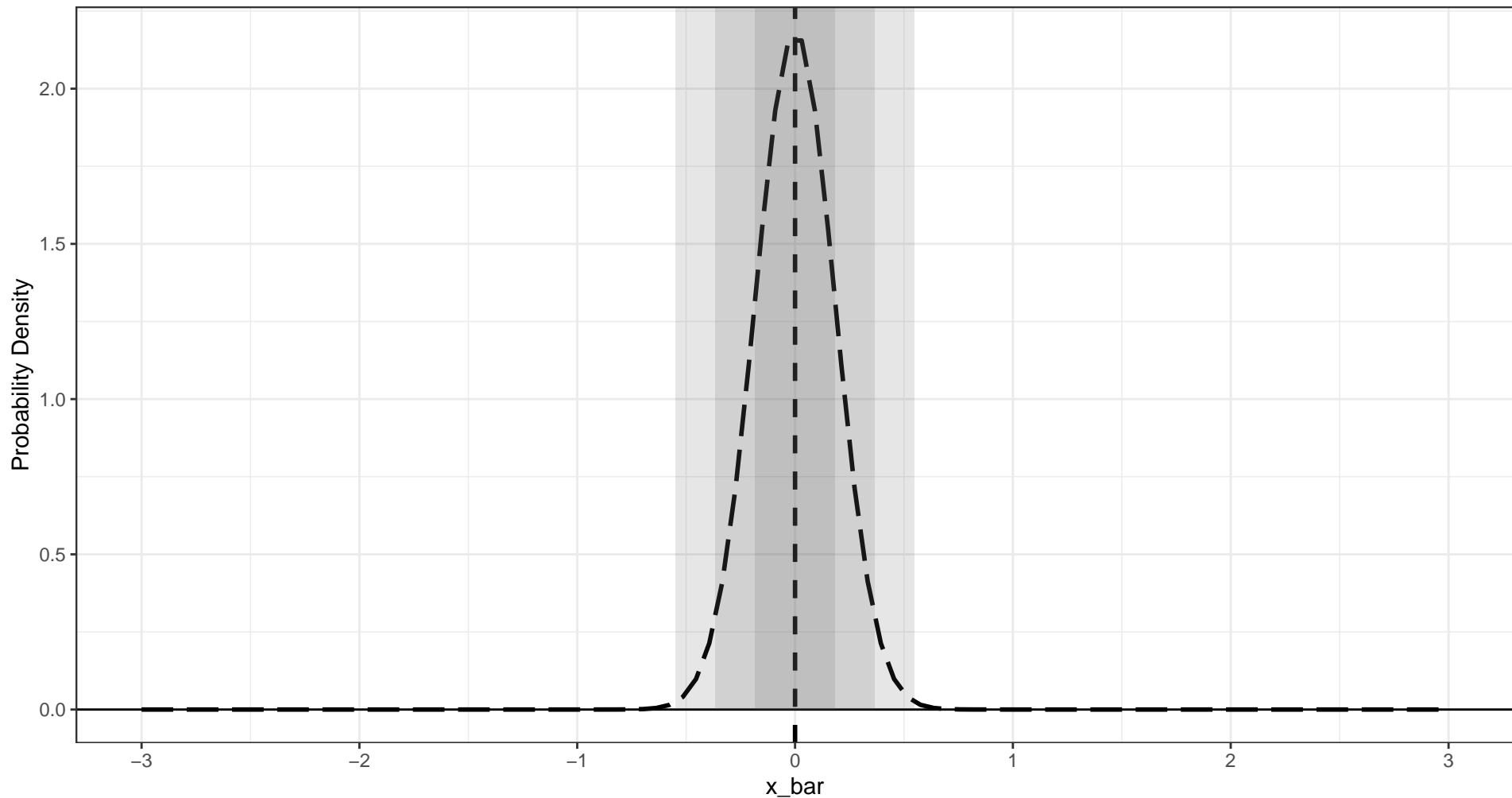


# Theoretical Sampling Distribution of Sample Statistic $\bar{x}$

$\bar{x}_{\text{bar}} \sim N(0, \text{SE})$



This represents the "true" underlying distribution of  $\bar{x}$  for the variable  $x \sim N(0, 1)$ .