Margin of Error (ME)

* Definitions
  + Critical Value (CV) = Z-value or T-value
    - If we have the necessary values, we can calculate a Z-value
    - If we don’t have the necessary values, we need to:
      * Compute alpha =
      * Find Critical Probability =
      * Use a table to look up the Z-value corresponding to the Critical Probability
  + Standard Error of the Statistic =
    - SD of the population divided by the square root of the sample size
  + Standard Error of the Statistic =
    - SD of the sample divided by the square root of the sample size
* Formulas – use 1 of the following formulas, depending on available information
  + ME =
  + ME =