

Theory Recap

- A numerical measure of a population is known as _____
 - o
- A numerical descriptive measure of a sample is known as _____
 - o
- The probability distribution of the statistics constructed from many samples of the same size is known as the _____

	Population Parameter	Sample Statistic
Mean		
Median		
Variance		
Standard Deviation		
Binomial Proportion		

- A number that is calculated from a sample to estimate the target parameter is known as the _____
- The interval of numbers calculated from a sample that contains the target parameter is known as the _____
- The probability that the estimation method will generate a _____ is known as the _____
 - o The most common values used are: _____
- The complement of the _____ is known as the _____
 - o To find this, we use:
 - o The most common values used are:
 - o If you are not given one in the question, we assume that it is _____
- The overall formula for finding Confidence Interval is...

Population Mean Theory

- The way we solve for the confidence interval depends on the sample size.
 - o Considered _____ if the total (n) is _____ and _____ if the total (n) is _____
- Formulas to understand:
 - o Point Estimate (For large and small sizes)
 - o Margin of Error
 - For large samples
 - For small samples
 - o Critical Value
 - For large samples (_____)
 - For small samples (_____)
- T-distribution
 - o Very similar to normal distribution except it works with a _____ instead of a single distribution.
 - o Uses _____
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- Interpretation

- Calculator Tricks for Population Mean C.I.
 - o For large samples
 - ZInterval
 - o For small samples
 - TInterval
 - o Regardless of which trick you have to use, there are two paths in using the function:
 - Data
 - Use _____ after the data is entered into the calculator
 - Also need the _____
 - Stats
 - Need: _____, _____, and _____
 - Also need the _____