Confidence Intervals & Sample Size

Population Proportion:

1. **Finding Confidence Interval Using TI:** **STAT > TESTS > 1-PropZInt**
2. **Writing Your Final Answer:** $< P <$
3. **Finding Minimum Sample Size Using TI:** **PRGM > PSZ > ENTER (Twice)**

Population Mean:

Case I: When Population Standard Deviation σ Is Known.

1. **Finding Confidence Interval Using TI:** **STAT > TESTS > ZInterval**
2. **Writing Your Final Answer:** $< \mu <$
3. **Finding Minimum Sample Size Using TI:** **PRGM > MSZ > ENTER (Twice)**

Population Mean:

Case II: When Population Standard Deviation σ Is Unknown.

1. **Finding Confidence Interval By Using TI:** **STAT > TESTS > TInterval**
2. **Writing Your Final Answer:** $< \mu <$

Population Variance:

1. **Finding Confidence Interval By Using TI:** **PRGM > S2INT > ENTER (Twice)**
2. **Writing Your Final Answer:** $< \sigma^2 <$

Population Standard Deviation:

1. **Finding Confidence Interval By Using TI:** **PRGM > S2INT > ENTER (Twice)**
2. **Writing Your Final Answer:** $< \sigma <$