

Calculator methods accessed via STAT > TESTS

Chapter 7

Population Proportion Confidence Interval

A: 1-PropZInt

Population Mean Confidence Interval

σ known

7: ZInterval

Sample Data (List)

list = 2ND STAT

frequency = 1

Summary Stats

σ unknown

8: TInterval

Sample Data (List)

List = 2ND STAT

frequency = 1

Summary Stats

Chapter 8

Claim about proportion

5: 1-PropZTest

Testing a claim about a mean

2: T-Test

Sample Data (List)

List = 2ND STAT

frequency = 1

Summary Stats

Chapter 10

F: LinRegTTest

Enter lists for Xlist in L1 and Ylist in L2

Freq = 1

β & ρ : $\neq 0$

RegEQ = Select y-variable via

VARs > Y-VARS menu, 1: Function, 1: Y1

Chapter 11

Goodness-of-fit

Enter the observed values in L1

Enter the expected frequencies in L2

D: χ^2 GOF-Test

Chapter 12

ANOVA

H: ANOVA

Enter data in L1, L2, and L3

ANOVA(L1 , L2 , L3)

Chapter 9

Two Proportions

6: 2-PropZTest

Confidence Interval for Two Proportions

B: 2-PropZInt

Two Means

4: 2-SampTTest

Sample Data

List1, List2 = 2ND STAT

Freq1, Freq2 = 1

Summary Stats

Pooled: No

(select Yes if the population variances are believed to be equal)

Confidence Interval for Two Means

0: 2-SampTInt

Sample Data

List1, List2 = 2ND STAT

Freq1, Freq2 = 1

Pooled: No

(select Yes if the population variances are believed to be equal)

Summary Stats

Pooled: No

(select Yes if the population variances are believed to be equal)

Two Dependent Samples

Enter first variable data in L1 and second variable data in L2

Create a list of differences in L3 by entering

L1 - L2 STO> L3

Hypothesis Testing for Two Dependent Samples

2: T-Test

Sample Data

List = 2ND STAT

Freq = 1

Confidence Interval for Two Dependent Samples

8: TInterval

Sample Data

List = 2ND STAT

Freq = 1

Calculator methods accessed via
2nd > VARS (DISTR)

Chapter 5

Binomial Probability

A: binompdf

binompdf(n , p , x)

Cumulative Binomial Probability

B: binomcdf

binomcdf(n , p , x)

Chapter 6

Area between two z-scores

2: normalcdf

normalcdf(lower z , upper z , μ , σ)

Finding z-score for a known probability

3: invNorm

invNorm(area to the left , μ , σ)

Calculator methods accessed via
STAT > CALC

Chapter 3

1-Var Stats

Enter the list in L1

1: 1-Var Stats L1

1-Var Stats for Frequency Distribution

1: 1-Var Stats

Enter the class midpoints in L1

Enter the frequency list in L2

1: 1-Var Stats L1 , L2

Misc

Chapter 2

Histogram Stat Plot

2ND **Y=** select On

Select bar chart

Enter the list in L1 and frequency list in L2

ZOOM **9** (ZoomStat)

Box Plot

2ND **Y=** select On

Select box plot icon

Enter the list in L1

ZOOM **9** (ZoomStat)

Chapter 10

Scatterplot

2ND **Y=** for STAT PLOT menu

Select On

Select scatterplot

Xlist = select L1 via **2ND** **STAT**

Freq = select L2 via **2ND** **STAT**

ZOOM **9** (ZoomStat)

Chapter 11

Contingency Tables

2ND **x⁻¹** MATRIX menu

Enter observed values in matrix [A]

Enter expected values in matrix [B] (not required)

2ND **MODE** to quit

Go to **STAT** > TESTS

C: χ^2 Test

Observed: **2ND** **x⁻¹** [A], Expected: **2ND** **x⁻¹** [B]