**Linear Regression *t*-procedures – TI Series**

 **Linear Regression *t*-Interval**

****

* Fill in Lists that contain X & Y
* Type in Confidence Level as a decimal
* Calculate (Press ENTER)
* STAT 🡪 TESTS
* Select G: LinRegTInt
* Enter data into L1 & L2

****

* Make sure to write down the interval, df, and equation (fill in a and b, make sure to put $\hat{y}$)

 **Linear Regression *t*-Test**

****

* Fill in Lists that contain X & Y
* Select the Alternative Hypothesis
* Calculate (Press ENTER)
* STAT 🡪 TESTS
* Select F: LinRegTTest
* Enter data into L1 & L2

****

****

* Make sure to write down the *t*-statistic, *P*-value, df, and equation (fill in a and b, make sure to put $\hat{y}$)

**Linear Regression *t*-procedures – HP Prime**

****

* Select Regression
* Select the Inference App

 **Linear Regression *t*-interval**$ $

****

* Type in Confidence Level as a decimal and press OK in bottom right corner
* Select N. Fill X & Y List
* Push Calc in bottom right corner
* Select Interval: Slope



* Make sure to write down the interval (Lower, Upper), df, and $β\_{1}$.

 **Linear Regression *t*-test**

****

* Select Alt Hypothesis
* Select N. Fill X & Y List
* Push Calc in bottom right corner
* Select Linear t test

****

* Make sure to write down the t-statistic (Test T), *P*-value (P), DF, and $β\_{1}$.
* Notice that it tells you the decision to make.