

Casio fx-115ES PLUS:



Descriptive Statistics:

1. Press MODE, choose 3:STAT
2. Choose 1, 1-VAR
3. You should see the X list and the FREQ list. If the FREQ list is not ON, press shift setup, scroll down, choose 4:STAT, 1: ON. Now you have your FREQ (You don't need to do this again unless you reset your calculator).
4. Enter your data in X list, frequencies in FREQ. If you just have a list, no frequencies, the calculator assumes FREQ 1 for each data item.
5. Once your list is updated, press AC.
6. Press shift and key #1 (behind it says STAT/DIS).
7. Choose 4: Var
8. For mean choose 2: X bar; for Standard deviation 4: sx. If you need both, choose one of them, press equal, see your result; press AC again, and again shift key #1, again 4: Var, and choose the other variable.
9. For median (med) once you press shift #1, instead of 4: Var, choose 6: MinMax.

Normal CDF:

1. Press MODE, scroll down using replay navigator.
2. Choose 3: DIST
3. Choose 2: Normal CD
4. Enter Lower bound, press enter (equal sign in the calculator),
5. Enter Upper bound, again equal;
6. Greek letter Sigma σ , that is the Standard deviation: Update and press equal.
7. Greek letter μ , that is the mean, update and press equal.
8. You get the result, $p =$ (probability).

Note: Consider the following in order to update the Lower and Upper bounds:

There are three cases: First case: **Less than a value**, in this instance lower bound is negative infinity (enter -10^{99}), upper bound is your value.

Second case: **greater than** a value: Lower bound is your value, upper bound is positive infinity (10^{99}).

And, third case: **in between** values: lower is the smaller value, upper is the larger value.