Calculator Directions for Casio FX 115MS

To clear all data press the keys: [SHIFT] [CLR] [1] **(labeled as Scl on screen)** [=] [AC]

      -need to hit the = button

One Variable Statistics (Mean, Standard Deviation, Variance)

Ungrouped Data
1. Enter SD mode by pressing the following keys:

   Press [MODE] **(twice)** [1] **(labeled as SD on screen)**
2. Input data by entering the number and press [M$^+$]

   -After entering in the value you will see the calculator counting your data values in the screen with $\boxed{n=1}$. Continue entering the values with [M$^+$] until all are in the calculator.

Grouped Data
1. Enter SD mode by pressing the following keys:

   Press [MODE] **(twice)** [1] **(labeled as SD on screen)**
2. Input data by entering the midpoint and press [M$^+$]

   -After entering in the value you will see the calculator counting your data values in the screen with $\boxed{n=1}$. Continue entering the values with [M$^+$] until all are in the calculator.
3. To enter the frequency, press the gray down arrow (in the center circle) until you reach the location to enter the frequency for each data value. Enter the number for the specific midpoint then press [=] to enter it into the calculator.

To find one variable statistics:

Mean ($\overline{x}$):	Press: [SHIFT] [2] **(labeled as S-VAR above)** [1] [=]
Sample standard deviation (Sx):	Press: [SHIFT] [2] **(labeled as S-VAR above)** [3] [=]
Population standard deviation (σn):	Press: [SHIFT] [2] **(labeled as S-VAR above)** [2] [=]

      -While standard deviation value is displayed on the screen press x^2 to get variance

Sum of Values (ΣX):	Press: [SHIFT] [1] **(labeled as S-SUM above)** [2] [=]
Sum of Squared Values (Σx^2):	Press: [SHIFT] [1] **(labeled as S-SUM above)** [1] [=]

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Two Variable Statistics (Linear Regression)

1. Enter **REG** mode by pressing the following keys:
    Press **MODE** **(twice),** **2** **(labeled as REG on the screen),** then press **1** **(labeled as Lin on the screen)** to select Linear Regression,
2. **To enter data:** type in 1st number (x value) then press **,** (comma button is next to **M⁺** button on calculator), type in the 2nd number (the corresponding y value), and then press **M⁺**.
Continue entering data until all of the pairs of values are entered. When the last data value is entered you can go directly to finding either information from two variable statistics or regression information; you do not need to clear the screen.

To find two variable statistics:

Mean of X values ($\bar{x}$):	Press: **SHIFT** **2** **(labeled as S-VAR above)** **1** **=**
Sample Standard Deviation of X values (Sx):	Press: **SHIFT** **2** **(labeled as S-VAR above)** **3** **=**
Mean of Y values ($\bar{y}$):	Press: **SHIFT** **2** **(labeled as S-VAR above)**
	-then use the right arrow (in the gray circle) to move over to find y values
	-then **press** **1** **=**
Sample Standard Deviation of Y values (Sy):	Press: **SHIFT** **2** **(labeled as S-VAR above)**
	-then use the right arrow (in the gray circle) to move over to find y values
	-then **press** **3** **=**

To find Correlation Coefficient and Regression variables:

Intercept (***a*** value):	Press: **SHIFT** **2** **(labeled as S-VAR above)**
	-then right arrow twice, then **press** **1** **=**
Slope (***b*** value):	Press: **SHIFT** **2** **(labeled as S-VAR above)**
	-then right arrow twice, then **press** **2** **=**
Correlation (***r*** value):	Presss: **SHIFT 2** **(labeled as S-VAR above)**
	-then right arrow twice, then press **3** **=**

To exit STAT mode press: **MODE** **1** **(shown as COMP on screen)**