Statistics with single list of data points each with frequency 1

1. Create a New Document with a Lists & Spreadsheet page

   - This can be done from the home page by pressing 1 on the home page and 4 on the new blank document that was created (you may need to save or discard previously opened documents)

2. Enter the data

   - Input the first number into the position A1, this is column A and row 1, then press enter
   - Input the second number into the position A2, this is the box below A1 and the cursor should automatically move to this position after pressing enter in the previous step, then press enter
   - Continue this process until all the data has been entered into column A

3. Calculating mean and standard deviation

   - Move the cursor to the upper left box of the Lists & Spreadsheet page (it should contain the A that labels the column) and type a name for the column in that box (it is convenient to make this name “a” so that the name of the list matches its location)
   - Move the cursor to some box outside of column A (for example B1)
   - To calculate the mean, press menu, 3, 6, 3, a, and enter; these buttons open the menu, select the Data option, select the List Math option, select the Mean function, enter the list with name a into the Mean function, and compute the mean
   - To calculate the standard deviation, press menu, 3, 6, 7, a, and enter; these buttons open the menu, select the Data option, select the List Math option, select the Sample Standard Deviation function, enter the list name a into the Sample Standard Deviation function, and compute the standard deviation
Statistics with data points from a frequency distribution

1. Create a **New Document** with a **Lists & Spreadsheet** page

   - This can be done from the home page by pressing 1 on the home page and 4 on the new blank document that is created

2. Enter the data

   - Input the first number into the position **A1**, this is column A and row 1, then press enter

   - Input the second number into the position **A2**, this is the box below A1 and the cursor should automatically move to this position after pressing enter in the previous step, then press enter

   - Continue this process until all the data has been entered into column A

3. Enter the Frequencies

   - Input the first frequency into the position **B2**, this is column B and row 1, then press enter

   - Input the second frequency into the position **B2**, this is the box below B1 and the cursor should automatically move to this position after pressing enter in the previous step, then press enter

   - Continue this process until all the frequencies have been entered into column B

   - At this point you should check that the frequencies in column B correspond to the data in column A

4. Calculating mean and standard deviation

   - Move the cursor to the upper left box (it should contain the A that labels the column) and type a name for the column in that box (it is convenient to make this name “a” so that the name of the list matches its location)

   - Move the cursor to the top of the B column (it should contain the B that labels the column) and type a name for the column in that box (it is convenient to make this name “b” so that the name of the list matches its location)

   - Move the cursor to some box outside of columns A and B (for example C1)

   - To calculate the mean, press **menu**, 3, 6, 3, a, ,, b, and **enter** (that is not a typo, you need to press the comma button to separate lists a and b); these buttons open the **menu**, select the **Data** option, select the **List Math** option, select the **Mean** function, enter the list a into the **Mean** function, separate a and b, enter the list b into the **Mean** function as the frequencies of a, and compute the mean

   - To calculate the standard deviation, press **menu**, 3, 6, 7, a, ,, b, and **enter** (that is not a typo, you need to press the comma button to separate lists a and b); these buttons open the **menu**, select the **Data** option, select the **List Math** option, select the **Sample Standard Deviation** function, enter the list a into the **Sample Standard Deviation** function, separate a and b, enter the list b into the **Sample Standard Deviation** function as the frequencies of a, and compute the standard deviation