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