Using the Ti-83 to find the Mean and Standard Deviation from a Frequency Distribution Table

Calculate the midpoints for each of the classes.

1. Use the formula (lower bound + next lower bound) / 2 for each entry

Input the midpoints and frequencies in lists 1 and 2

2. Stat Edit
3. Input midpoints in list 1, Input frequencies in list 2

Calculate the standard deviation

Exit out of the stat lists by pressing 2nd Mode (Quit)

4. Stat Calc 1: 1 – Var Stats (don't press enter a second time yet)
5. 2nd L1 comma 2nd L2
6. enter $\bar{X}$ is the mean and Sx is the Standard Deviation