1. Consider replicate measurements of the two sample sets (**A** and **B**):

A	B
9.5	0.972
8.5	0.943
9.1	0.986
9.3	0.937
9.1	0.954

For each set, calculate the (i) mean; (b) median; (iii) spread, or range; (iv) standard deviation; and (v) coefficient of variation. **[0.5 % each]**

ANS: (a) For Set **A**

x_i	x_i^2
9.5	90.25
8.5	72.25
9.1	82.81
9.3	86.49
9.1	82.81
$\Sigma x_i = 45.5$	$\Sigma x_i^2 = 414.61$

(i) mean $\bar{x}$ = 45.5/5 = 9.1, (ii) median = 9.1, (iii) spread: w = 9.5 − 8.5 = 1.0

(iv) standard deviation: $s = \sqrt{\dfrac{414.61-\left(45.5\right)^2/5}{5-1}} = 0.37$

(v) coefficient of variation: CV = (0.37/9.1) × 100% = 4.1%

1.按 MODE

2.按 3

3.按 1

4.依序輸入數據(按「=」以輸入下一個數據)

5.輸入結束後按「AC」(此時畫面會顯示「0」)

6.按 SHIFT

7.按 1

8.依據所需的統計做功能選擇

9.按 4(以此例題的標準差為例)

10.再按 4(此時畫面會顯示「0」)

11.按「=」

(結束後可按「AC」回到步驟 6 以進行其他統計的計算)