

PRACTICE

The following data set provides the number of errors made by teenage Algerian EFL learners when pronouncing the final 'ed' in three speech tests throughout a single academic year.

1) Calculate the sum Σ , the mean \bar{x} , the variance S^2 , and the standard deviation S for each test.

PARTICIPANTS	TIME 1	TIME 2	TIME 3
<i>Student 1</i>	76	76	73
<i>Student 2</i>	83	79	71
<i>Student 3</i>	79	78	75
<i>Student 4</i>	86	84	82
<i>Student 5</i>	68	65	58
<i>Student 6</i>	91	86	81
<i>Student 7</i>	87	81	79
<i>Student 8</i>	80	77	67
Sum Σ			
Mean \bar{x}			
Variance S^2			
Standard deviation S			

2) Which inferential statistical test should be used with the above data? And why?