

**Problem Statement 2:**

Using the following data, perform a oneway analysis of variance using  $\alpha=.05$ . Write up the results in APA format.

[Group1: 51, 45, 33, 45, 67]

[Group2: 23, 43, 23, 43, 45]

[Group3: 56, 76, 74, 87, 56]

$$F \text{ test} = 1511.46675/189.733$$

$$= 7.9662$$

$$F \text{ score} = 3.89$$

**Problem Statement 3:**

Calculate F Test for given 10, 20, 30, 40, 50 and 5,10,15, 20, 25.

For 10, 20, 30, 40, 50:

$$F \text{ test} = 41.66675/229.167$$

$$=0.1818$$