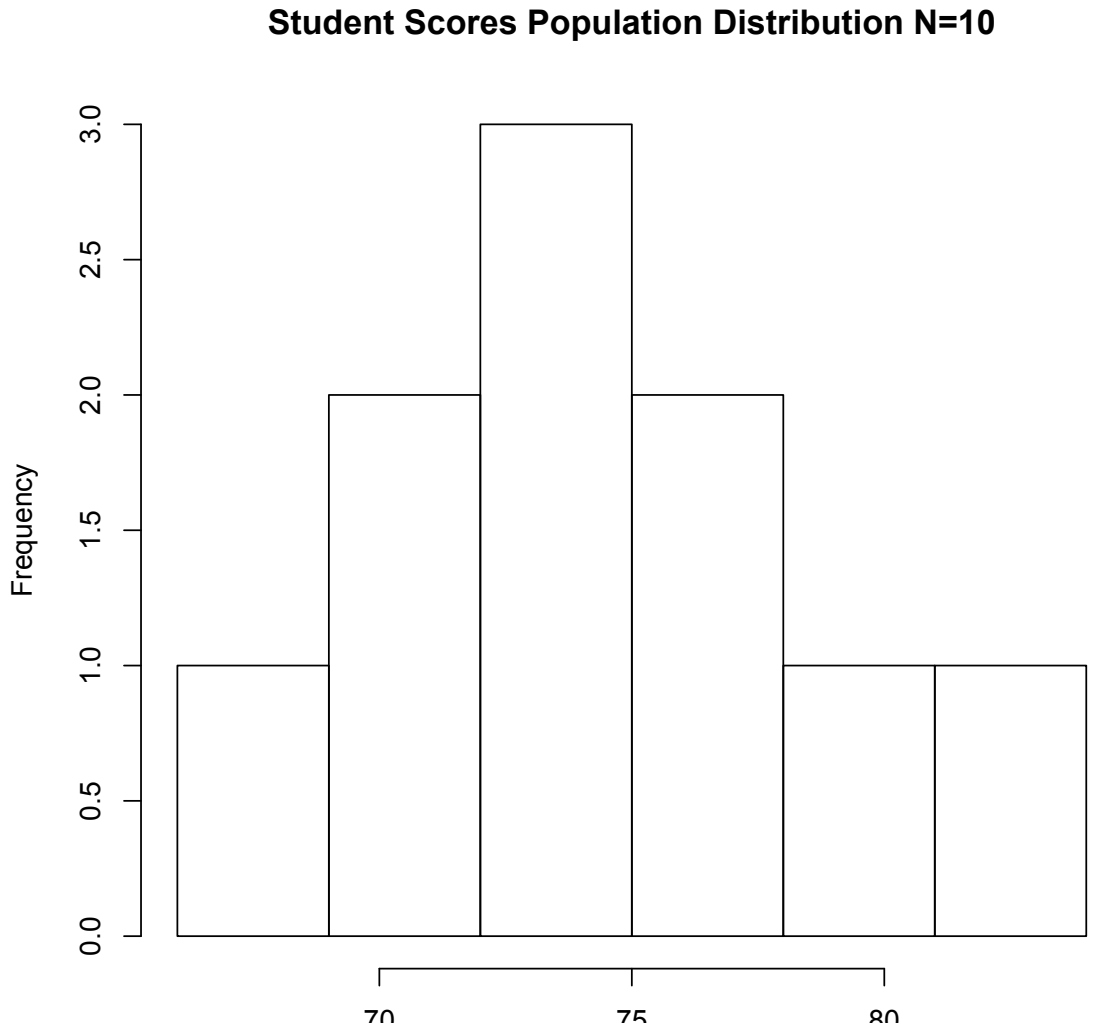
## POPULATION DISTRIBUTION

Consider a small population of test grades given below for 10 students.

| Student | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| Score | 74 | 83 | 71 | 77 | 78 | 71 | 75 | 80 | 74 | 69 |




$\mu = 75.2$

$\sigma = 4.37$

## GENERATE A SAMPLING DISTRIBUTION OF SAMPLE MEANS

Consider a small population of test grades given below for 10 students.

| Student | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| Score | 74 | 83 | 71 | 77 | 78 | 71 | 75 | 80 | 74 | 69 |

Range of the population: 69 to 83
Range of sample averages: 71.25 to 79.5

Select 8 random samples from this population with sample size of n = 4
Calculate the average test score of each sample and list below:

Sample average #1 =

Sample average #2 =

Sample average #3 =

Sample average #4 =

Sample average #5 =

Sample average #6 =

Sample average #7 =

Sample average #8 =