

1. Students in one of my classes (see below) can submit homework electronically, using MyLab, or in paper-pencil format.

	A	B
1	Student	MyMathLab (1 = Yes)
2	Rachael	1
3	Cooper	0
4	Caroline	1
5	Intisar	0
6	Makayla	1
7	Jayde	1
8	Christina	0
9	Dasol	1
10	Yasir	0
11	Jenna	1
12	Parker	0
13	Laura	0
14	Kyle	1
15	Grant	1
16	Khalid	0
17	Joanna	0
18	Noel	0
19	Nidhi	0
20	Van	1
21	Brisa	1
22	Fatima	0
23	Karly	0
24	Allison	0

Population
 average 9/23
 43%

Compute the proportion of students who submitted homework using MyMathLab.

Population proportion = 0.434

Found to 0.43
 43% use MyLab

$P = 0.43$

$\frac{10}{23}$

students

2. Use the class roster in (1) to select a NONRANDOM sample of size 5 ($n = 5$), Sample A, such that Sample A has all ones.

Sample A	
Student	MML
Caroline	1
Makayla	1
Dasol	1
Kyle	1
Grant	1
$\hat{p} =$	$\frac{5}{5} = 1$

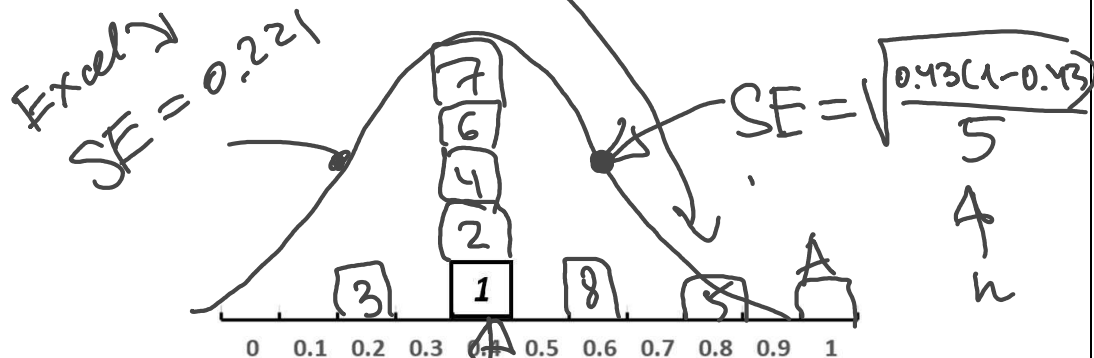
$n = 5$
 100% of students in the sample are using MyLab.

Below are several random samples. How are they different from the two above? Explain

sample No	1	sample No	2	sample No	3	sample No	4
Student	MyMathLab (1 = Yes)	Student	MyMathLab (1 = Yes)	Student	MyMathLab (1 = Yes)	Student	MyMathLab (1 = Yes)
Cooper	0	Makayla	1	Intisar	0	Cooper	0
Jayde	1	Christina	0	Jayde	1	Makayla	1
Dasol	1	Dasol	1	Noel	0	Noel	0
Khalid	0	Parker	0	Nidhi	0	Van	1
Fatima	0	Allison	0	Fatima	0	Fatima	0
Sample proportion =	0.4	Sample proportion =	0.4	Sample proportion =	0.2	Sample proportion =	0.4

sample No	5	sample No	6	sample No	7	sample No	8
Student	MyMathLab (1 = Yes)	Student	MyMathLab (1 = Yes)	Student	MyMathLab (1 = Yes)	Student	MyMathLab (1 = Yes)
Makayla	1	Jayde	1	Intisar	0	Rachael	1
Dasol	1	Christina	0	Makayla	1	Yasir	0
Jenna	1	Kyle	1	Parker	0	Jenna	1
Brisa	1	Khalid	0	Nidhi	0	Parker	0
Allison	0	Fatima	0	Van	1	Brisa	1
Sample proportion =	0.8	Sample proportion =	0.4	Sample proportion =	0.4	Sample proportion =	0.6

3. Below, put the above samples on the curve (#1 is already there). Finish the histogram of the samples by adding possible virtual samples. Mark the mean and the Standard error SE.



mean = 0.43