

Talent Exercise-Data Collection¹

Assume that each person in the class is equally talented. Each person in the group performs the following steps:-

Step 1: Throw the ball ten times. With each throw try to land it in the bucket. Denote it as success if the ball lands in the bucket and failure otherwise.

Step 2: Note down the number of success in Ten trials and the trial at which the first success happens (in whichever trial).

Step 3: Repeat Step 1 and Step 2, a total of 5 trials.

Step 4: Fill in the following tables:

Name	Throw at which first success occurred

Trial No.	# success in 10 Throws
1	
2	
3	
4	
5	

1. Compute the maximum likelihood estimate for Probability of Success for you.
2. Compute the maximum likelihood estimate for Probability of Success for yougroup.
3. Is the Hypothesis that all are equally talented valid ?

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