

Class Activity

Let's do a class activity where you flip a coin 15 times and record your result. Mark H for heads and T for tails.

Trial	Result
1	
2	
3	
4	
5	
6	
7	
8	

Trial	Result
9	
10	
11	
12	
13	
14	
15	

Question: Based on your 15 flips of a coin, what is the empirical probability of getting heads?

Group Sample

Now, aggregate your individual results with others in your group. What is the empirical probability of getting heads in your group sample?

Class Sample

Finally, aggregate your group samples with the other groups to form a class-wide sample. Compute the empirical probability of getting heads in the class sample.

Conclusion: What is the biggest takeaway from this activity? What difference did you notice from your individual trial to group sample to class sample? When will the probability be exactly $1/2$?