Monte Hall

In the Monte Hall Challenge it you have a higher probability of getting a fantastic prices if you pick another door rather than staying with the first pick.

If you stay with the first door picked you have a 1/3 chance of getting the prize and a 2/3 chance of not choosing the prize.

If you always choose another door you have a 2/3 change of getting the prize and 1/3 chance of not getting the prize.

Bayes’ Rule applies because the probability of getting the prize is conditional on new information – revealing what is behind another door.