Time Meeting Safety Topic

A Little Diversion

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Let’s Make a Deal

Monte Hall Problem

- *Suppose you're on a game show, and you're given a choice of three doors: Behind one door is a car; behind the others, goats.*
- *You pick a door, say number 1, and the host, who knows what's behind the doors, opens another door, say number 3, which has a goat.*
- *He says to you, 'Do you want to switch doors?'*
- *Is it to your advantage to switch your choice of doors?"*

✓What is the probability of winning the car if you stay with your first choice?

✓What if you decide to switch?

Methods to Solve

- Common sense
- Monte Carlo
- Bayes Theorem
- Conditional Probability
- etc.

- There is only one correct answer and it is counterintuitive