## R language and data analysis: simulation

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#### **Simulation**

coin flip

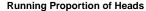
# coin flip

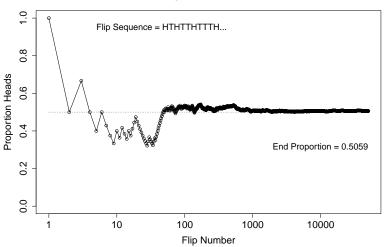


### coin flip

• HTTTTTTTH vs. HTTHTHTHT

### coin flip simulation





#### **Simulation**

- coin flip
- Monty Hall problem

#### movie: 21

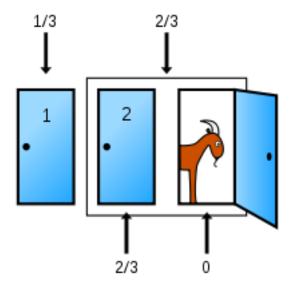


 $https://www.youtube.com/watch?v{=}Zr\_xWfThjJ0\\$ 

### Monty Hall problem

Suppose you're on a game show, and you're given the choice of three doors: Behind one door is a car; behind the others, goats. You pick a door, say No. 1, and the host, who knows what's behind the doors, opens another door, say No. 3, which has a goat. He then says to you, "Do you want to pick door No. 2?" Is it to your advantage to switch your choice?

# **Monty Hall problem**



#### simulation

noswitchwin switchwin 308 692

