



Montague-CTE Scholar
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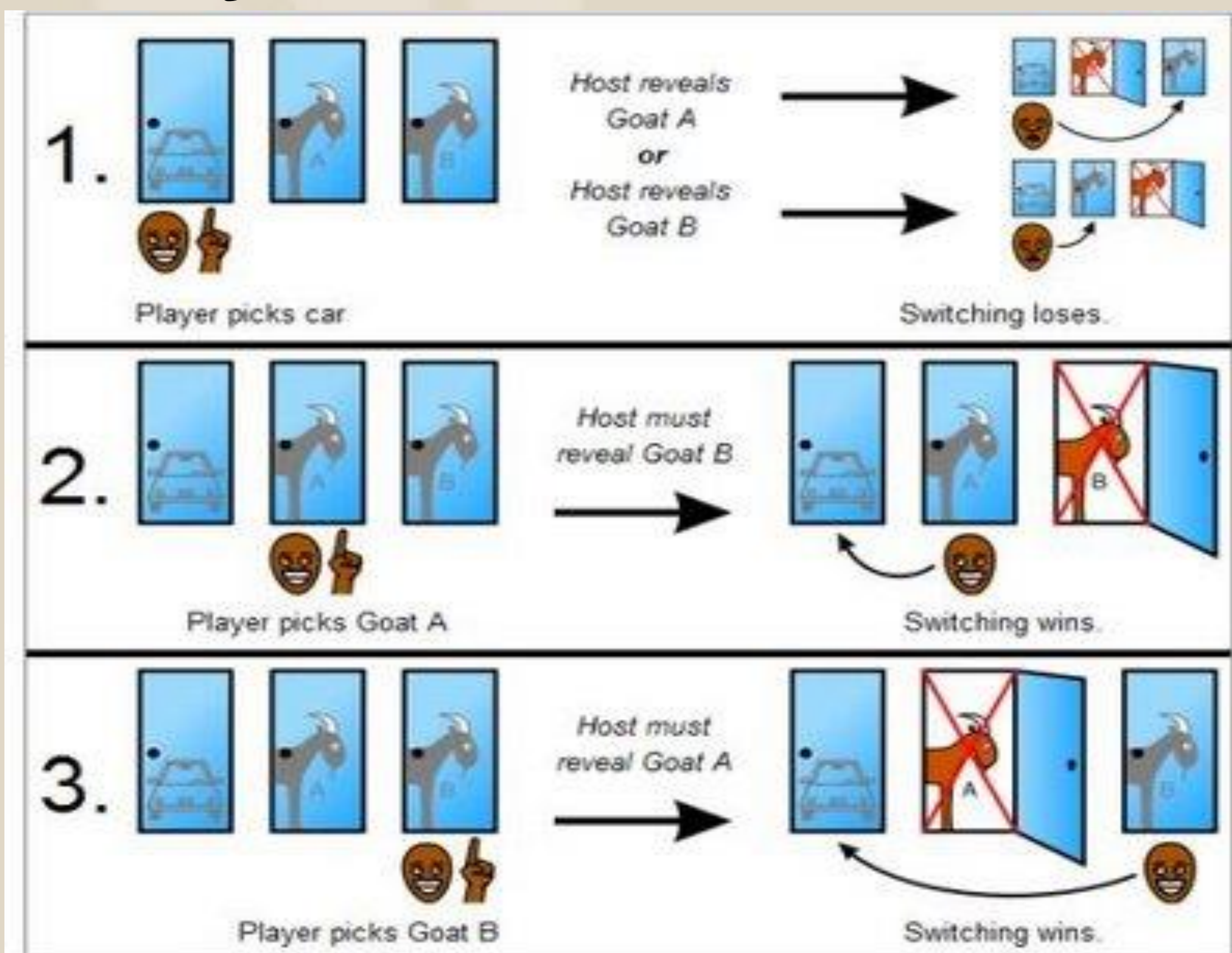
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Hands-on and Research Experience

Funding from the Montague-CTE Scholar Program was used

- To design and conduct simulation games. It helped in improving the student involvement and engagement that are essential to the Business Statistics course.
- To support undergraduate student research, which is one of the high impact teaching practices for educating undergraduates.

Monty Hall Simulation Game



Monty Hall Simulation game helped in explaining following key concepts:

- *Simulation*
- *Experimental Design*
- *Sample*
- *Trial*
- *Random Variables*
- *Independence*
- *Probability*
- *Conditional Probability*
- *Event Space*
- *Probability Trees*

*Undergraduate Research on
Observational Data versus
Designed Experiment*

After this research, students understood that how data is collected and presented can influence the conclusions that are made.