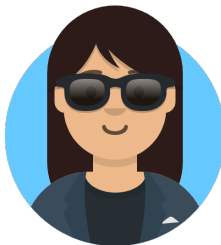


# Título

## Subtítulo

Autor

Universidad...



# Sheena Easton and Game Theory

Sheena Easton describes the following scenario for her baby:

- ① Takes the morning train
- ② Works from nine 'til five
- ③ Takes another train home again
- ④ Finds Sheena Easton waiting for him

# A Total Conflict Game Between Sheena Easton and Her Baby

	Stays Home	Goes to Work
<b>Baby Home Again</b>	-100, <b>100</b>	<b>100</b> , 0
<b>Baby Stays at Work</b>	<b>50</b> , 0	-100, <b>100</b>

Sheena Easton and her baby are playing a **zero-sum (total conflict) game**.

- Akin to Holmes-Moriarty game (see: von Neumann and Morgenstern)
- Solution: **mixed strategy**

# Rick Astley's Re-election Platform

Rick Astley's campaign promises:

- Never gonna give you up.
- Never gonna let you down.
- Never gonna run around and desert you.
- Never gonna make you cry.
- Never gonna say goodbye.
- Never gonna tell a lie and hurt you.

Are these promises (if credible) sufficient to secure re-election?

# Rick Astley and Median Voter Theorem

Whereas these pledges conform to the preferences of the **median voter**, we expect Congressman Astley to secure re-election.

# Caribbean Queen and Operation Urgent Fury

Billy Ocean released “Caribbean Queen” in 1984.

- Emphasized sharing the same dream
- Hearts beating as one

“Caribbean Queen” is about the poor execution of Operation Urgent Fury.

- Echoed JCS chairman David Jones’ frustrations with military establishment.

Billy Ocean is advocating for what became the Goldwater-Nichols Act.

- Wanted to take advantage of **economies of scale**, resolve **coordination problems** in U.S. military.

# The Good Day Hypothesis

We know the following about Ice Cube's day.

- ① The Lakers beat the Supersonics.
- ② No helicopter looked for a murder.
- ③ Consumed Fatburger at 2 a.m.
- ④ Goodyear blimp: "Ice Cube's a pimp."

# The Good Day Hypothesis

This leads to two different hypotheses:

- $H_0$ : Ice Cube's day is statistically indistinguishable from a typical day.
- $H_1$ : Ice Cube is having a good (i.e. greater than average) day.

These hypotheses are tested using archival data of Ice Cube's life.



# Plot

