

Your Name: _____

Names of people you worked with: _____

Task: In the Helper vs Hinderer experiment (see class notes, example from Chance and Rossman, original study Hamlin, Wynn, and Bloom, *Nature* 2007), 14 of the 16 babies chose the helper shaper over the hinderer shape. As a group, come up with at least 3 different reasons why the large majority (87.5%) of the babies who took part in the study chose the helper. Try to make your three reasons fundamentally different.

Solution: What are some reasons why 14 of 16 babies would choose the helper?

Research Q The possible reasons all relate to the research hypothesis at hand (babies are more prone to choose the helper shape).

- Culture of helping
- Evolution
- Aversion to hinderer
- Movies

Design The possible reasons are related to the experimental design. We work hard to have good experimental design that will rule out such factors.

- Preference for up
- like 3-sided objects
- preference for particular shapes
- unconscious signaling from researcher or care giver
- preference for particular colors

Chance Fourteen of the babies chose the helper due only to random chance.

- Coincidence