

# **Consideration of Alternative Outcomes of Psychological Studies: Some Evidence for Transfer**

**Edward Munnich**

University of San Francisco, San Francisco, California, United States

**Dana-Lis Bittner**

University of San Francisco, San Francisco, California, United States

**Jasmine West**

University of San Francisco, San Francisco, California, United States

**Megan Schneider**

University of San Francisco, San Francisco, California, United States

**Arlis Tuiaosopo**

University of San Francisco, San Francisco, California, United States

**Wilson Cobb**

University of San Francisco, San Francisco, California, United States

**Milo Martinez**

University of San Francisco, San Francisco, California, United States

## **Abstract**

Scientific thinking relies on consideration of alternative possible outcomes to research. We considered whether 1. engaging with psychological research results some of which were surprising in a learning phase transferred to consideration of alternative outcomes for a different set of research studies in a test phase, and 2. whether transfer was heightened by predicting results before learning the actual outcomes (foresight), as opposed to indicating what one would have predicted after learning the actual outcomes (hindsight). One indication of transfer would be decreased confidence in the outcome one believed to be true, but we did not observe this trend. However, we did see evidence of transfer for a subset of participants: No participants in the learning phase provided reasons for alternative outcomes, but a sizable minority of participants, across both hindsight and foresight groups, did so in the test phase. We will discuss what factors distinguish participants who showed transfer.