

## **Illusory Truth Boundary Condition (#3585)**

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### **1) What's the main question being asked or hypothesis being tested in this study?**

The goal is to test the limits of the illusory truth effect. Participants will be presented with trivia statements along with 4 extremely implausible statements (and 4 extremely plausible statements). Repetition should increase perceptions of accuracy for standard trivia statements (which are uncertain), but not for the highly implausible or plausible statements.

### **2) Describe the key dependent variable(s) specifying how they will be measured.**

Participants will rate the accuracy of the statements on a 6 point scale.

### **3) How many and which conditions will participants be assigned to?**

Four types of statements will be presented. Statements will either be true or false and either uncertain or certain (i.e., a trivia statement).

- 1) True trivia statements ("The thigh bone is the largest bone in the human body.")
- 2) False trivia statements ("The Cotton Bowl takes place in Austin, Texas.")
- 3) True plausible statements ("Coffee is a more popular drink in America than goat milk.")
- 4) False implausible statements ("The earth is a perfect square.")

### **4) Specify exactly which analyses you will conduct to examine the main question/hypothesis.**

The key contrast is between familiarized (presented earlier in the study) and novel statements for the false implausible category. We will use a t-test for this comparison.

### **5) Any secondary analyses?**

The full set of items will be contrasted using a 2 (type; uncertain, certain) x 2 (ANOVA

### **6) How many observations will be collected or what will determine sample size? No need to justify decision, but be precise about exactly how the number will be determined.**

500 from Mechanical Turk

### **7) Anything else you would like to pre-register? (e.g., data exclusions, variables collected for exploratory purposes, unusual analyses planned?)**

Participants will be removed if they answered affirmatively to any of the following questions: a) Did you respond randomly at any point during the study?, b) Did you search the internet (via Google or otherwise) for any of the news headlines?, or c) At the beginning of the survey (when you were asked whether you were familiar with the stories), did you just skip through without reading the headlines?

### **8) Have any data been collected for this study already?**

No, no data have been collected for this study yet