Steinmetz et al. (JPSP, 2020) - Study 1 Replication (#37664)

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1) Have any data been collected for this study already?
No, no data have been collected for this study yet.

2) What's the main question being asked or hypothesis being tested in this study?
This is a preregistered replication of Study 1 of Steinmetz, Toure-Tillery, and Fishbach (2020, JPSP). This study tests if learning about the good performance of the first (vs. middle or last) group member raises participants' expectations for the rest of the group.

3) Describe the key dependent variable(s) specifying how they will be measured.
Participants will indicate how they expect each of 6 other gymnasts to perform (six ratings; 1 = very poorly, 9 = very well).
These six measures will be averaged into an index of expected group-performance.

4) How many and which conditions will participants be assigned to?
Three conditions. Random assignment to one condition.
In all conditions, participants will learn about one member of the gymnastics team, Emma. Participants will learn that she gave a stunning performance and that her routine was flawless.
In the first condition, participants will learn that Emma was the first gymnast to perform.
In the middle condition, participants will learn that Emma was the fourth (i.e., middle) gymnast to perform.
In the last condition, participants will learn that Emma was the last gymnast to perform.

5) Specify exactly which analyses you will conduct to examine the main question/hypothesis.
Two t-tests, comparing the index of expected group-performance in the first condition with that index in the middle condition and last condition.

6) Describe exactly how outliers will be defined and handled, and your precise rule(s) for excluding observations.
No exclusions.

7) 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.
I will request 763 participants from Amazon Mechanical Turk.

8) Anything else you would like to pre-register? (e.g., secondary analyses, variables collected for exploratory purposes, unusual analyses planned?)
I will ask participants the attention check question that the original authors did (In the scenario, what determined the order in which the gymnasts performed their floor routine?).
I will ask several additional exploratory questions.
I will ask all participants how much of an impact Emma had on the group's performance (1 = very small impact, 9 = very large impact).
I will ask participants what determined which one of the gymnasts that they learned about.
I will ask participants if they have ever read about the gymnasts in the HIT on Amazon Mechanical Turk.
Any analyses that involve these questions are exploratory.