Blurry Vision 8 high power mturk, 7 conds gmail (#2630)

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1) What's the main question being asked or hypothesis being tested in this study?
We are testing how 6 interventions influence the imagery of the vision statements participants generate. Our main prediction is that the time machine intervention will be more effective at increasing vision statement imagery over the other interventions and no intervention. We also predict that cognitive style (i.e., REI) will moderate the relationship between the manipulation and mental imagery, such that efficient thinkers will benefit more from the manipulation than analytical thinkers. We also predict that mental imagery will mediate the relationship between the manipulation and vision statement imagery, but only for efficient thinkers.

2) Describe the key dependent variable(s) specifying how they will be measured.
The key DV is vision statement imagery, which will be measured by a text analysis program called CohMetrix (http://cohmetrix.com). The Cohmetrix score will be analyzed in two ways: (1) the raw output will be used for analysis; (2) two coders will read each vision statement and assess whether they perceive the CohMetrix score as appropriate. That is, visions that [do not] evoke imagery for the coder but have a relatively low [high] CohMetrix score will be adjusted up [down]. This measure addresses the possibility that word-level imagery (as assessed by CohMetrix) does not correspond to sentence-level imagery. We expect both analyses to yield similar results.

Cognitive style will be measured with the Rational Experiential Inventory (Epstein et al., 1996). Mental imagery will be measured with a scale from Babin and Burns, 1998.

3) How many and which conditions will participants be assigned to?
Seven conditions, between subjects: (1) specific, (2) vivid, (3) achieve, (4) values, (5) time machine, (6) a control condition that includes no intervention, and (7) a condition that includes all four meaning-based interventions, i.e., specific, vivid, achieve, and values.

4) Specify exactly which analyses you will conduct to examine the main question/hypothesis.
Intervention effectiveness will be assessed with ANOVA and the following planned comparisons: (1) time machine versus all other conditions, (2) time machine versus the 4 meaning-based prescriptions, and (3) time machine versus control. Moderation by REI will be assessed with regression and simple slopes analysis. Moderated mediation will be assessed with the Hayes PROCESS macro.

5) Any secondary analyses?

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.
We will collect 100 observations per condition.

7) Anything else you would like to pre-register? (e.g., data exclusions, variables collected for exploratory purposes, unusual analyses planned?)
As exploratory analyses, we will test the moderating effects of the following variables: intrinsic motivation, task difficulty, engagement, and managerial level

Participants who fail one or more attention checks will be excluded from analyses.

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