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?
We want to test whether a preview of a scene photograph (compared to a rectangle) facilitates participants’ performance for a judgment unrelated to depth—in this study, whether a square is the left-most or right-most of two shapes presented on top of an image. Target images will be the same as mirroredScenePrime 1-3, except that target locations will be marked by squares and diamonds rather than by dots.

Also in this study, photo and rectangle previews will be intermixed to avoid order effects present in the blocked design in the first version of this experiment.

3) Describe the key dependent variable(s) specifying how they will be measured.
reaction time (milliseconds) and accuracy (proportion correct answers)

4) How many and which conditions will participants be assigned to?
Two conditions within participants: photograph preview image and rectangle preview image. Preview conditions are intermixed to minimize order effects.

5) Specify exactly which analyses you will conduct to examine the main question/hypothesis.
We will analyze reaction time and accuracy data for the different preview conditions. For reaction times, our statistics will be based on each subject’s median reaction time for each condition, and our primary analysis will be a paired t-test between median reaction times in the photograph preview condition vs. the rectangle preview condition.

6) Describe exactly how outliers will be defined and handled, and your precise rule(s) for excluding observations.
Individual trials will be excluded if the participant responded sooner than 150ms after the target image appeared, and only correct trials will be used for reaction time analyses.

Participants will be excluded and replaced with a participant from the same counterbalance order if any of the following apply:
- Their overall accuracy is greater than 3 standard deviations below the mean accuracy.
- Their overall accuracy is less than 55%.
- They responded with the same key on more than 80% of trials.
- Fewer than 50% of their trials can be included in the main analysis, either because they were excluded for having an RT below 150ms, or because they were incorrect.
- Their median RT in either of the two preview conditions is above 2 seconds.

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.
We will collect data from 100 participants (50 for each of two sets of images). If a subject is excluded, they will be replaced with another subject from the same image list.

8) Anything else you would like to pre-register? (e.g., secondary analyses, variables collected for exploratory purposes, unusual analyses planned?)
Available at http://aspredicted.org/8g5v2.pdf