

Dog weight estimate (#35187)

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Author(s)

Chang-Yuan Lee (Boston University) - leecy@bu.edu

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?

The dog weight estimate will be influenced more by high (vs. low) anchor when the weight prior is large (i.e., heavier, bigger dog) than when the weight prior is small (i.e., smaller dog).

3) Describe the key dependent variable(s) specifying how they will be measured.

Participants will be asked to estimate the average weight of three dogs.

4) How many and which conditions will participants be assigned to?

Two conditions:

High anchor: Participants will first read the average weight of a Boerboel dog (200 lbs.) and then estimate the average weight of the targeted dogs.

Low anchor: Participants will first read the average weight of a Australian Terrier dog (12 lbs.) and then estimate the average weight of the targeted dogs.

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

We will log-transform the weight estimate if the estimate is skewed. A 2 (anchor; between-subjects) x 3 (dogs; within-subjects) mixed ANOVA will be first conducted. Next, we will conduct simple t tests to compare the difference in weight estimate of each dog between conditions.

6) Describe exactly how outliers will be defined and handled, and your precise rule(s) for excluding observations.

We will exclude participants who violate the rule: Boerboel > Bernese Mountain Dog > American Staffordshire Terrier > Basenji > Australian Terrier

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 recruit 200 participants to complete this study.

8) Anything else you would like to pre-register? (e.g., secondary analyses, variables collected for exploratory purposes, unusual analyses planned?)

Nothing else to pre-register.