**Motor Accuracy Task**

Unpublished

**Purpose:**

The goal of this task is to assess motor accuracy or precision. In this program, the size of a target box titrates based on performance. Successive corrects cause it to shrink and successive incorrects to grow by 15%. This allows the pig to remain motivated as food continues to be delivered. An extra punisher time out is added when the box shrinks to make it more costly.

The primary DV is the minimum obtained box size and average box size. An FR-3 or similar is recommended because pigs do not tend to make highly accurate single responses the way a monkey or human might.

On start of a trial, the box will be presented in one of 5 locations (4 corners, center). Every 3 trials, the size either increases or decreases based on the last 3 responses. This will continue up until the maximum number of trials.

**Variables**

Multiple variables can be set in this procedure. Most relevant are:

* **Max reinforcers** – number before task ends on its own. I think this is actually trials, not reinforcers…
* **Limited Hold** – time limit for response before omission
* **FR Req** – FR setting. Based on our experiences, an FR-3 should be used for most pig tasks
* **Button size** – starting size of the button. Can be left at default unless wanting to start at higher difficulty
* **Extra punisher duration** – adds time onto delay when the button increases in size