



Entire Set of Printable Figures For
Learning Strategies in Matching to Sample

Wright

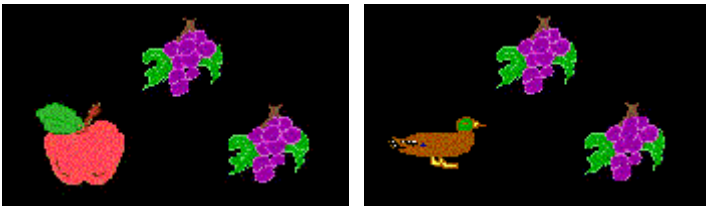
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Figure 1. The 12 displays used in the matching-to-sample task divided into two counterbalanced sets shown in the upper and lower portions of the figure. Each set was used equally often as training and a testing set. The center (apex) cartoon of each display is the sample stimulus, and side cartoons are the comparison stimuli.



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Figure 2. Acquisition functions for individual subjects in each of the four groups of Experiment A. The groups are labeled according to their fixed-ratio sample requirement, for example, pigeons in the FR20 group were required to peck the sample 20 times before the comparison stimuli were presented. Pigeons in the FR0 group were not required to peck the sample; all three cartoons of the display were presented at the same time. Within each group, pigeons trained on the upper set of Figure 1 have their data shown with unfilled points and those trained on the lower set of Figure 1 have their data shown with filled points.

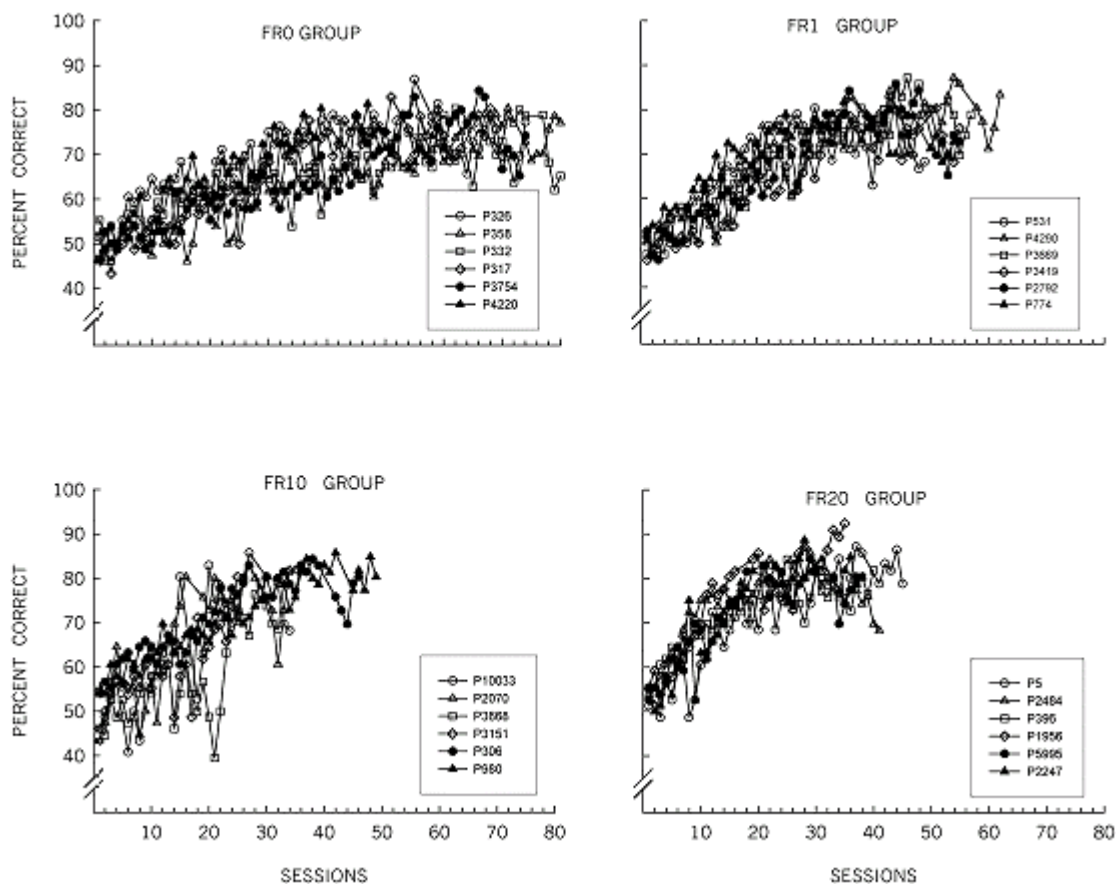


Figure 3. Acquisition functions for the individual subjects in each of the four groups of Experiment B. The groups are labeled according to their fixed-ratio sample requirement, for example, pigeons in the FR20 group were required to peck the sample 20 times before the comparison stimuli were presented. Pigeons in the FR0 group were not required to peck the sample; all three cartoons of the display were presented at the same time. Within each group, pigeons trained on the upper set of Figure 1 have their data shown with unfilled points and those trained on the lower set of Figure 1 have their data shown with filled points.

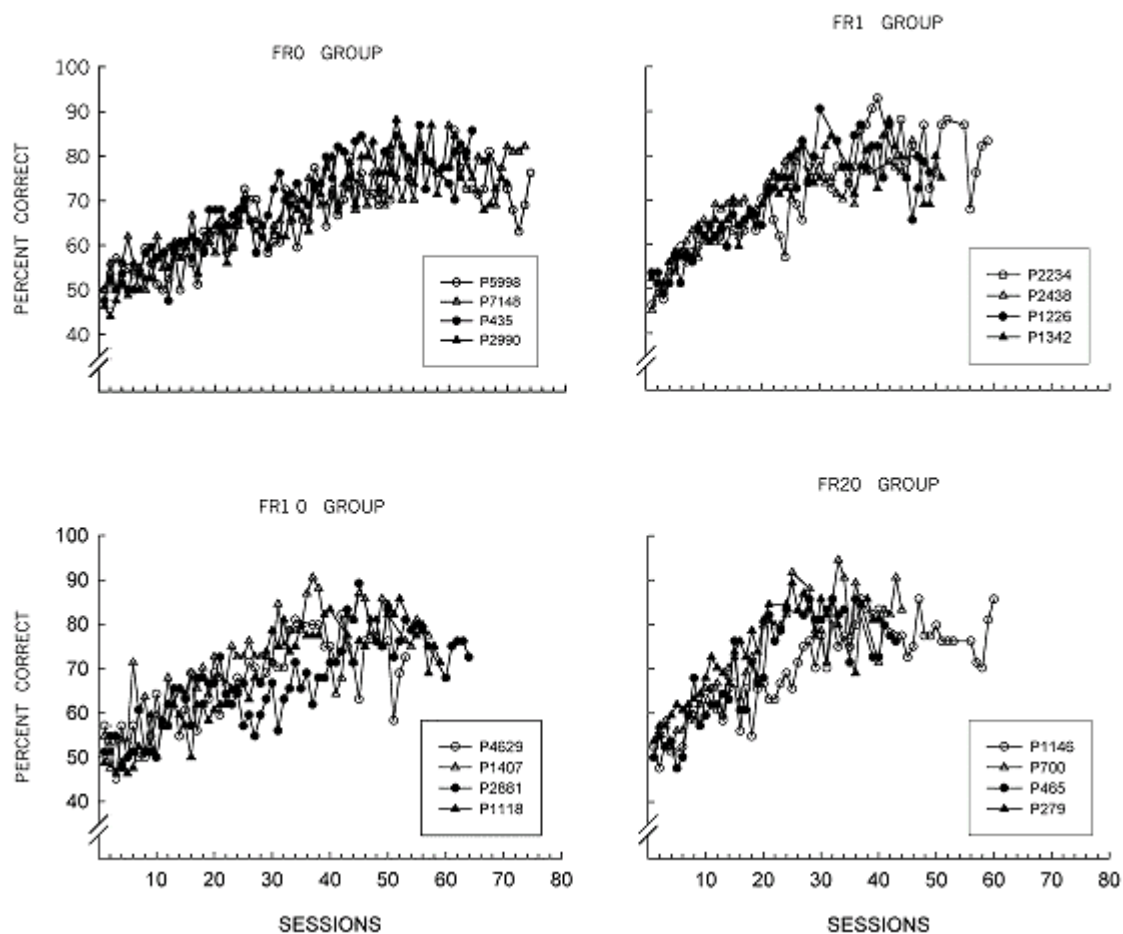


Figure 4. Mean acquisition functions from Experiment A (upper panel) and Experiment B (lower panel) as a function of the number of training trials.

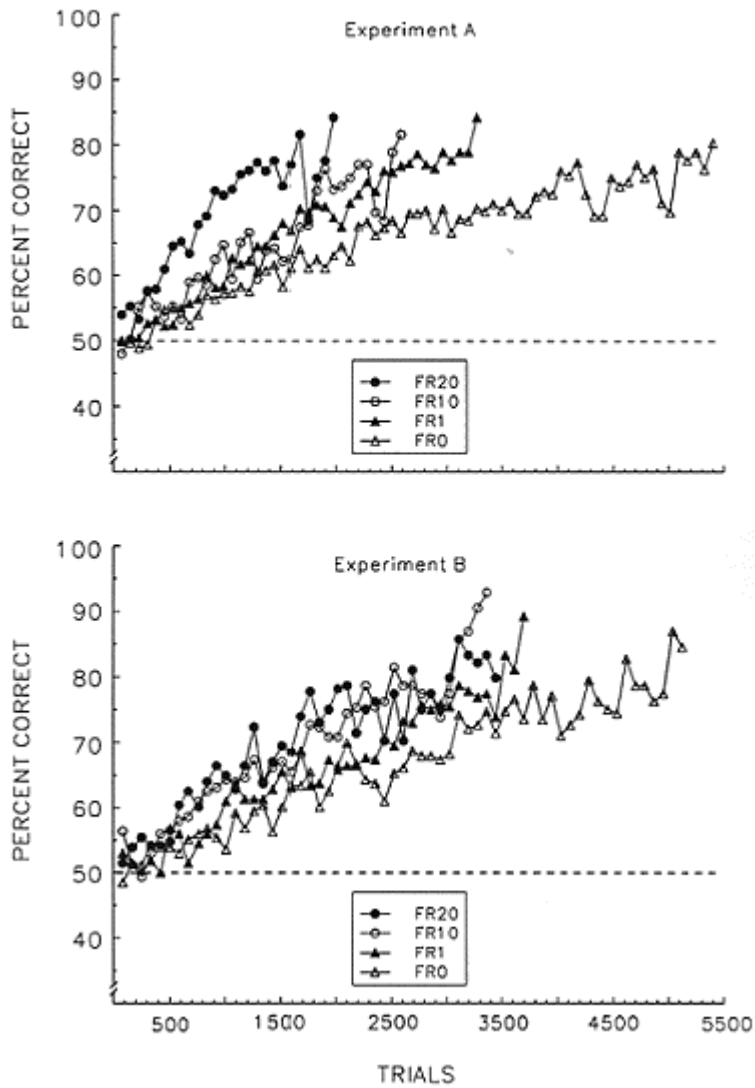


Figure 5. Comparison of mean acquisition functions from Experiments A and B for the four groups with different sample response requirements.

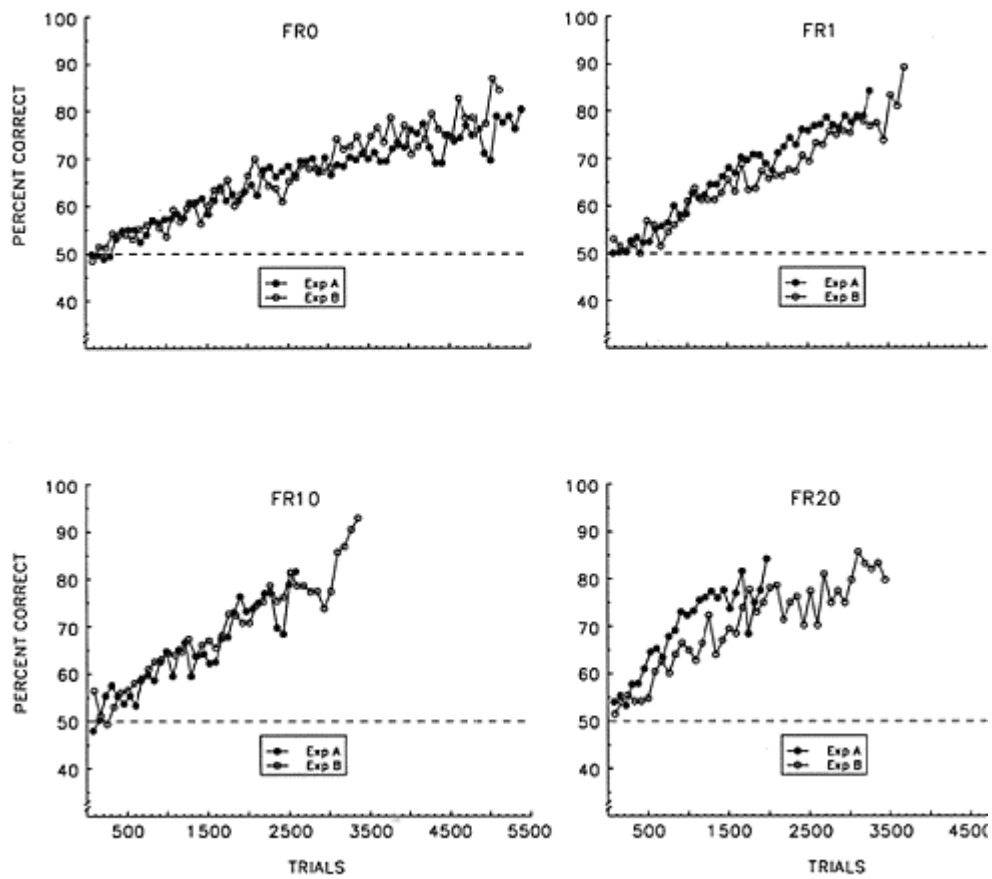


Figure 6. Baseline (training) and transfer performance for the four groups in Experiment A (upper panel) and Experiment B (lower panel). Baseline is performance with the training displays during transfer. Transfer to testing displays is performance with the six displays (see Figure 1) not used in training. Transfer to novel-stimuli displays is performance with displays composed of novel stimuli. Error bars are the standard error of the mean.

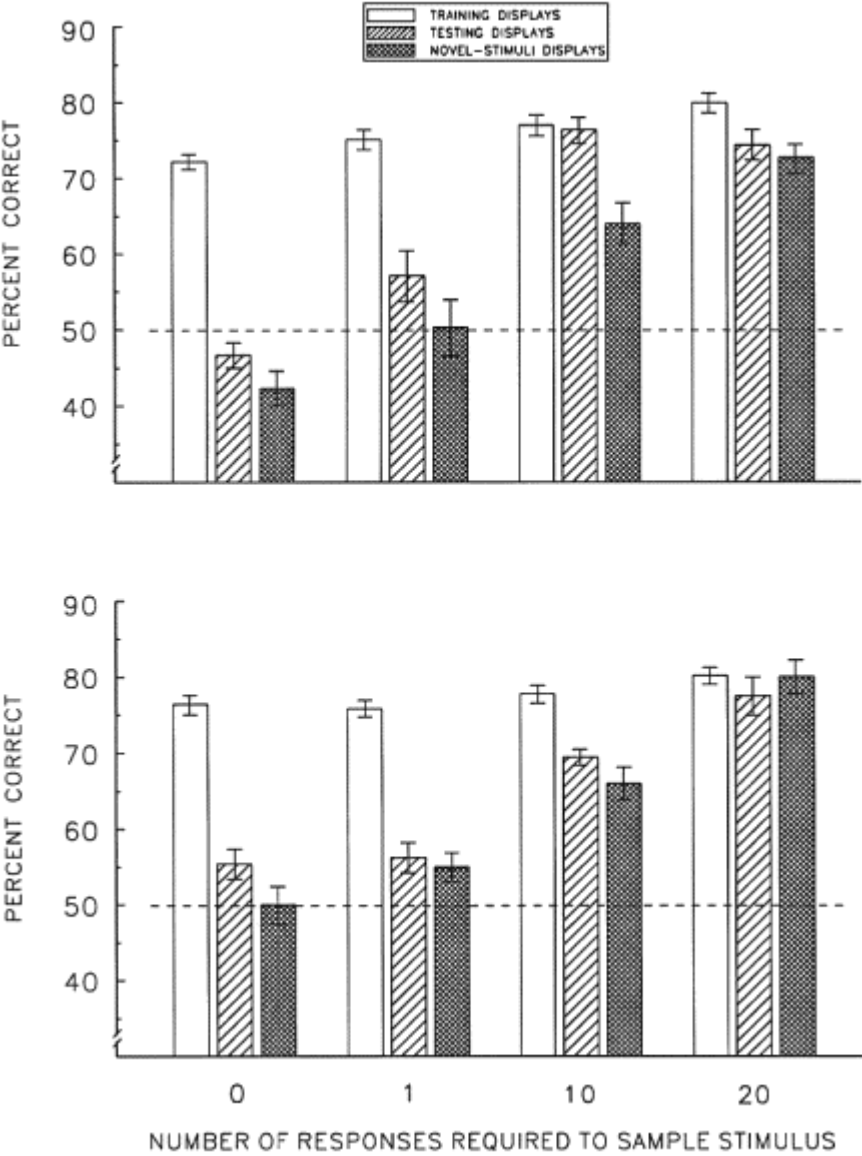


Figure 7. Acquisition and transfer by two pigeons trained and tested with an FR40 sample response requirement. Baseline is performance with the training displays during transfer. Transfer to testing displays is performance with the six displays not used in training. Transfer to novel-stimuli displays is performance with displays composed of novel stimuli.

