**GUI**

***Practice***

mouseCondition (0 or 1): 0 = match is right-click, mismatch is left-click; 1 = match is left-click, mismatch is right-click

***Main Task***

mouseCondition (0 or 1): 0 = match is right-click, mismatch is left-click; 1 = match is left-click, mismatch is right-click **(always should match what they had in the practice)**

orderCondition (0 or 1): 0 = blocked first, then intermixed; 1 = intermixed first, then blocked

* a (0 or 1) is first condition, b is ~a (0 or 1) and the second condition
* conditionSeq is [a b] - this is what is used by the program

***Practice + Main Task -* Data**

data.recall(:,1) = trial number

data.recall(:, 2) = valid response – 0 = not on color wheel, 1 = clicked on color wheel

data.recall(:,3) = valid response – 0 = not on color wheel, 1 = clicked on color wheel

data.recall(:,4) = error in degrees – 500 = not on color wheel (invalid response)

data.recall(:,5) = RT (in seconds) - -1 = invalid response

data.recall(:,6-8) = Colors (in degrees) shown

data.recall(:,9) = probe color (degrees)

data.recall(:,10) = what color did they click on (degrees) , 500 indicates invalid response (did not click on color wheel)

data.recog(:,1) = trial number

data.recog(:,2) = trial type – 2 = match, 3 = mismatch

data.recog(:,3) = response type – 1 = correct, 0 = incorrect, -4 = no response

data.recog(:,4) = RT (in seconds)

data.recog(:,5) = mouse condition – 1 = left is match, right is mismatch; 2 = left is mismatch, right is mismatch

data.recog(:,6) = click type – 2 = match, 3 = mismatch, 0 = no response

data.recog(:.7) = left mouse clicked – 1 = yes, 0 = no

data.recog(:,8) = right mouse clicked – 1 = yes, 0 = no

data.recog(:,9) = which square was probed – 1 = left, 2 = right, 3 = bottom

data.recog(:,10-12) = Colors (in degrees) shown

data.recog(:,13) = Tested color (original) (in degrees) - will be the same probe color if it is match trial

data.recog(:,14) = Probe color - for mismatch trial)

***Practice -* Analyzed**

final\_data(1,2) = Recog Acc (match - block)

final\_data(2,2) = Recog Acc (mismatch - block)

final\_data(3,2) = Recog Acc (all - block)

final\_data(4,2) = Recog Correct RT (match - block)

final\_data(5,2) = Recog Correct RT (mismatch - block)

final\_data(6,2) = Recog correct RT (all - block)

final\_data(7,2) = Recog RT (match - block) *- don’t really use*

final\_data(8,2) = Recog RT (mismatch - block) *- don’t really use*

final\_data(9,2) = Recog RT (all - block) *- don’t really use*

final\_data(10,2) = Recall Error - Average

final\_data(11,2) = Recall Error - Std

final\_data(12,2) = hits

final\_data(13,2) = false alarms

final\_data(14,2) = K - 3(hits - false alarms)

***Main Task* - Analyzed**

final\_data(1,2) = Recog Acc (match - block)

final\_data(2,2) = Recog Acc (mismatch - block)

final\_data(3,2) = Recog Acc (all - block)

final\_data(4,2) = Recog Correct RT (match - block)

final\_data(5,2) = Recog Correct RT (mismatch - block)

final\_data(6,2) = Recog correct RT (all - block)

final\_data(7,2) = Recog RT (match - block) *- don’t really use*

final\_data(8,2) = Recog RT (mismatch - block) *- don’t really use*

final\_data(9,2) = Recog RT (all - block) *- don’t really use*

final\_data(10,2) = Recall Error - Average (block)

final\_data(11,2) = Recall Error - Std (block)

final\_data(12,2) = Recog Acc (match - intermix)

final\_data(13,2) = Recog Acc (mismatch - intermix)

final\_data(14,2) = Recog Acc (all - intermix)

final\_data(15,2) = Recog Correct RT (match - intermix)

final\_data(16,2) = Recog Correct RT (mismatch - intermix)

final\_data(17,2) = Recog correct RT (all - intermix)

final\_data(18,2) = Recog RT (match - intermix) *- don’t really use*

final\_data(19,2) = Recog RT (mismatch - intermix) *- don’t really use*

final\_data(20,2) = Recog RT (all - intermix) *- don’t really use*

final\_data(21,2) = Recall Error - Average (intermix)

final\_data(22,2) = Recall Error - Std (intermix)

final\_data(23,2) = Recog hit rate (block)

final\_data(24,2) = Recog false alarm rate (block)

final\_data(25,2) = Recog K (block)

final\_data(26,2) = Recog hit rate (intermix)

final\_data(27,2) = Recog false alarm rate (intermix)

final\_data(28,2) = Recog K (intermix)