

## Transfer of Training / Interference Lab

### Directions

1. Find a partner to work with and clear off a table for the two of you to work at. Using the tape as a marker, divide the table in half both vertically and horizontally to make four quadrants on the table.
2. Pull out the four Aces from the deck of cards and place one Ace in the middle of each of the four areas. Tape the Ace down face-up (from the underside) so it will stay in place on the table. Remove any extra cards from the deck and check to make sure that the deck now has 48 cards.
3. Flip a coin to see who will be the subject first and who will be the experimenter first. The experimenter should carefully shuffle the deck of 48 cards and hand them face down to the subject. The subject must stand on one side of the table, the experimenter may sit on the other. The subject's task is to turn the cards up one at a time and sort them by suit into the four quadrants on the table AS FAST AS POSSIBLE. The experimenter will say begin and start the watch and will stop the watch when the last card is placed on the table. Once a card is placed, the subject may not touch it. The experimenter will report the time to the subject for recording on the score sheet. After all the cards are sorted, the experimenter will count the number of errors and report it to the subject. An error is scored for any card: in the wrong pile, off the table, on the edge, or on the tape. The experimenter will shuffle the deck THOROUGHLY and hand them back to the subject and begin the next trial. The subject must complete 6 trials.
4. After the 8th trial, the experimenter and subject should switch sides of the table and repeat the above procedures again for 8 more trials. Score and record the data as before on the score sheets. Once all twenty trials are complete, the experimenter and the subject should switch roles and begin the process all over again.
5. Using the computer, download from the course website the NTT Score Sheet to your own computer and open it in Excel. Type in your data values and examine the graphs that are described below. Excel does the computations for you. What do you learn about transfer of training? Turn in all work when complete.
  1. Plot the sort time for both sort orders as a function of Trial number
  2. Plot the number of errors for both sort orders as a function of trial number
  3. Create a scatterplot of Errors as a function of Sort Time and plot the best fit line for Order 1.
  4. Create a scatterplot of Errors as a function of Sort Time and plot the best fit line for Order 2.

Name: \_\_\_\_\_

## Transfer of Training

1st Order		
Trial	Time	Errors
1		
2		
3		
4		
5		
6		
7		
8		
Mean		
Stdev		

2nd Order		
Trial	Time	Errors
1		
2		
3		
4		
5		
6		
7		
8		
Mean		
Stdev		

	r	b	a
Order 1			
Order 2			