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**Article:** Pfister, R., Dignath, D., Hommel, B., & Kunde, W. (2013). It takes two to imitate: Anticipation and imitation in social interaction. *Psychological Science*, 24(10), 2117-2121. doi: 10.1177/0956797613489139

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**Background:** The experiments reported in this article were performed in the context of an experimental psychology practical in 2011 (German summer semester). The article was initially rejected by *Psychological Science* because a hasty reviewer had not noticed Experiment 2 that was reported on the third page of a manuscript that only contained four text pages. He suggested running precisely this experiment to enrich the manuscript and it took quite some time to convince the editors that this experiment had been reported all along.

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## File list

Icon key:  = tab-delimited data;  = SPSS syntax

 Pfister_et_al_2013_PsySci_Exp1_Raw.dat	Data of Exp. 1
 Pfister_et_al_2013_PsySci_Exp1_Syntax.sps	Syntax for Exp. 1
 Pfister_et_al_2013_PsySci_Exp2_Raw.dat	Data of Exp. 2
 Pfister_et_al_2013_PsySci_Exp2_Syntax.sps	Syntax for Exp. 2

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## Experiment 1: Variable coding

Participant_Pair	Base number for each pair of participants, starting with 10. The actual participant numbers derive from this root by appending either a 1 or a 2 (e.g., 101 and 102 for Participant_Pair = 10). The participant to act as model in the first half of the experiment is logged as 1, the other participant is logged as 2.
Model	Participant number of the current model
Imitator	Participant number of the current imitator
Part	1 = first half of the experiment, 2 = second half of the experiment

Block	Block number; 1-10 = first half of the experiment, 11-20 = second half
Blocktrial	Trial number within block
Trial	Continuous trial number
Compatibility	-1 = incompatible, 1 = compatible
RT1	Model response time in ms
R1_CDDuration	Required duration of model keypress. 0 = short, 1 = long
R1_Duration	Actual duration of model keypress in ms
R1_ACC	Accuracy of model response. 0 = error (wrong duration, premature response of the imitator, ...), 1 = correct
R1_ErrorType	-99 = correct , 1 = too short (short keypress instead of a required long one), 2 = too long (long keypress instead of a required short one), 3 = any other error
RT2	Imitator response time in ms. -99 indicates an aborted trial due to preceding errors
RT2_Cor	This variable was an attempt to correct for timing errors due to a blank screen that was inserted after the model response. It turned out to be nearly identical to the uncorrected version (with a negative sign) and I could not confirm whether it was actually more precise. I therefore ignored this variable.
R2_CDDuration	Required duration of imitator keypress. 0 = short, 1 = long
R2_Duration	Actual duration of imitator keypress in ms
R2_ACC	Accuracy of imitator response. -99 = no imitator response (aborted trial), 0 = error (wrong duration, intervening keypress of the model, ...), 1 = correct
R2_ErrorType	-99 = correct (no error), 1 = too short (short keypress instead of a required long one), 2 = too long (long keypress instead of a required short one), 3 = any other error
Trial_ACC	0 = error in the trial, 1 = correct trial
Trial_ACC_N1	Accuracy of the preceding trial; -99 indicates that there was no preceding trial (at the beginning of a new block).

## Experiment 2: Variable coding

Variable coding is exactly as in Experiment 1 with the only exception that Compatibility can now have the values 1 = imitation block and -99/-0.5/0.5 = random blocks. -99 indicates that the imitator did not get to choose a response (or his/her keypress duration could not be registered as short or long) whereas -0.5 indicates that the imitator opted for counter-imitation and 0.5 indicates that the imitator opted for actual imitation.