

Possible error responses in the disyllable judgments:

In the disyllable judgment experiment, we collected the reaction time of the whole trial, the reaction time when subjects pressed the key, and the reaction time when subjects released the key in E-prime 2.0 (Schneider, Eschman, & Zuccolotto, 2002). Normally, the response should be “1{-1}” if the subject judge the item as Mandarin-like in 4 seconds. The first “1” means the subject pressed the key “1” and the second “1” in the bracket means the subject released the key “1”. The following table shows all possible error responses we got in our results.

Types of error		Description
Press {-1}	Release 1	Subjects pressed twice or more than twice on the same button during 4 seconds.
{-s}	s	
{-1}	s	
{-1}	{-s}	The subject did not release the button for the former stimulus in 4seconds till the next stimulus comes, and then he pressed the other button.
{-1}	{-s}	Step1: Subject pressed "s" for No Step2: pressed "1" for Yes Step3: released "1" for Yes Step4: released "s" for No
{-s}	{-1}	Step1: Subject pressed "1" for Yes Step2: pressed "s" for No Step3: released "s" for No Step4: released "1" for Yes
1	NA	After the fixation "+", subjects pressed the button without releasing till the next stimulus came up.
s	NA	Evidence from the press RT approximately 3800-3900ms and no any release RT.
1	s	Subjects pressed simultaneously on Yes and No buttons.
s	1	
0	0	No response and RT are shown since the subjects skipped the stimulus in 4 seconds.