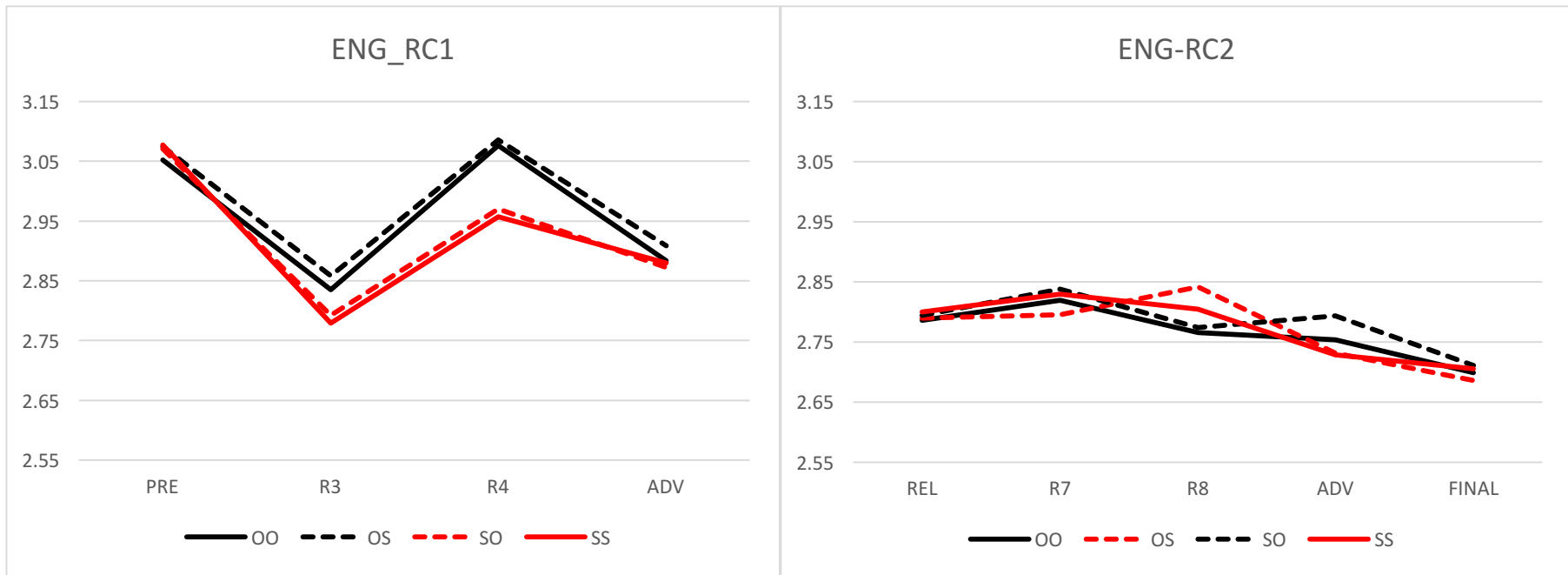


ENGLISH

Type	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10
SS	The horse	that	<i>e</i> kicked	the wolf	on Tuesday	that	<i>e</i> patted	the lion	just now	went home.
OS	The horse	that	the wolf	kicked <i>e</i>	on Tuesday	that	<i>e</i> patted	the lion	just now	went home.
SO	The horse	that	<i>e</i> kicked	the wolf	on Tuesday	that	the lion	patted <i>e</i>	just now	went home.
OO	The horse	that	the wolf	kicked <i>e</i>	on Tuesday	that	the lion	patted <i>e</i>	just now	went home.

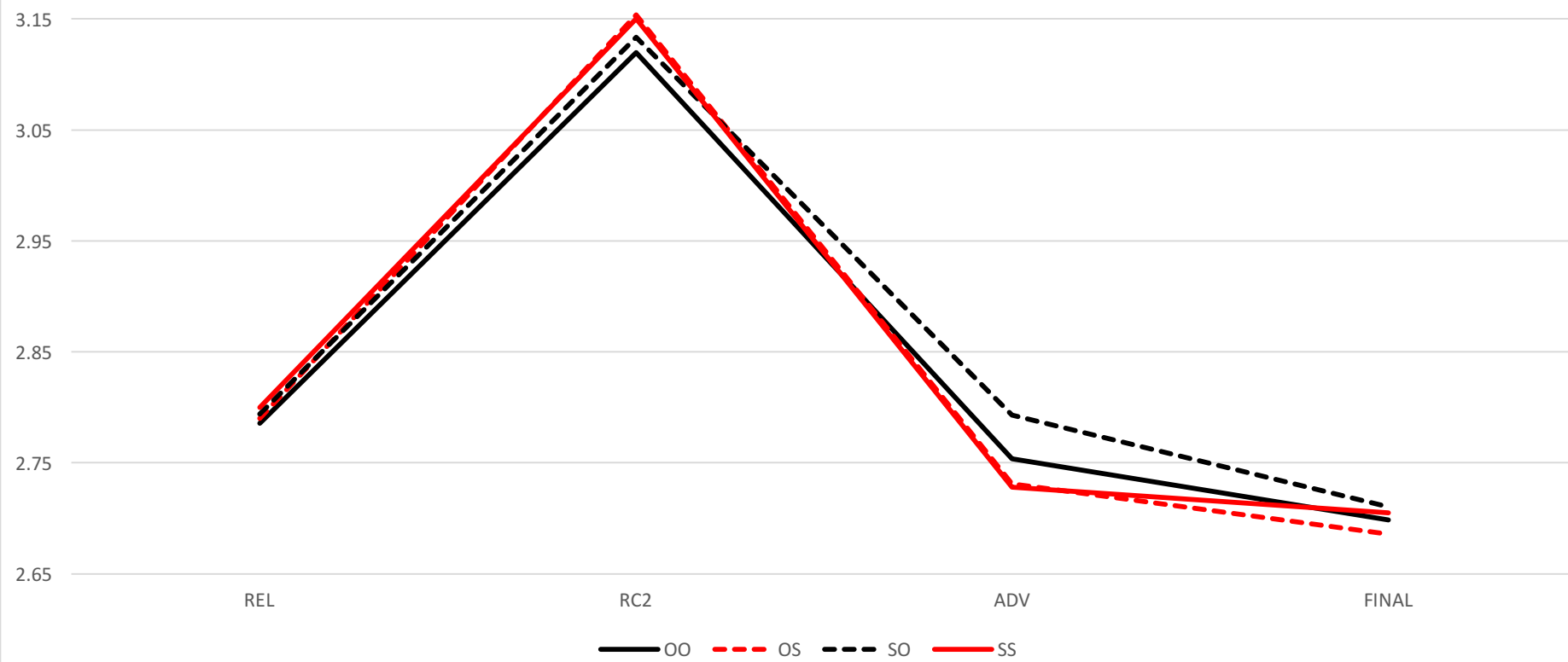


- All stats are done with lmer4.0 package in R.
Model: $m_RegionX = \text{lmer}(\log_RX \sim \log_R4 * RC1fac * RC2fac + (1 * \log_R4 * dprimeT | Participant) + (1 * \log_R4 * dprimeT | Item), dataset)$
- In RC 1, there is a robust **SRC advantage**.
- In RC 2: (notation: $a * << b$ means a is processed significantly faster than b (a takes less time); $* >>$ means significantly slower)

	Main Effects		Main Interactions (OO, SS)	Rank Main effects	Parallelism	Parallelism Interactions (OO, SO)
R3	RC1S	t = -5.155, p < .001		R1O *>> R1S		
R4	RC1S	t = -8.253, p < .001		R1O *>> R1S		
R7	RC1S	t = 2.228, p < .05		R1O *<< R1S	Not sig.	t = 2.228, p < .05
R8	RC2S	t = 4.831, p < .001	RC1S:RC2S t = -2.048, p < .05	R2O *<< R2S	Par t = -2.048, p < .05 RC2S t = 4.831, p < .001	Not sig.
R9	RC2S	t = -4.489, p < .001	RC1S:RC2S t = -2.143, p < .05	R2O *>> R2S	Par t = -2.143, p < .05 RC2S t = -4.489, p < .001	Not sig.
R10	RC1S	t = 2.164, p < .05		R1O *<< R1S	Not sig.	t = 1.984, p < .05
R78	RC2S	t = 2.584, p < .05		R2O *<< R2S	Not sig.	
R789	Not sig.					

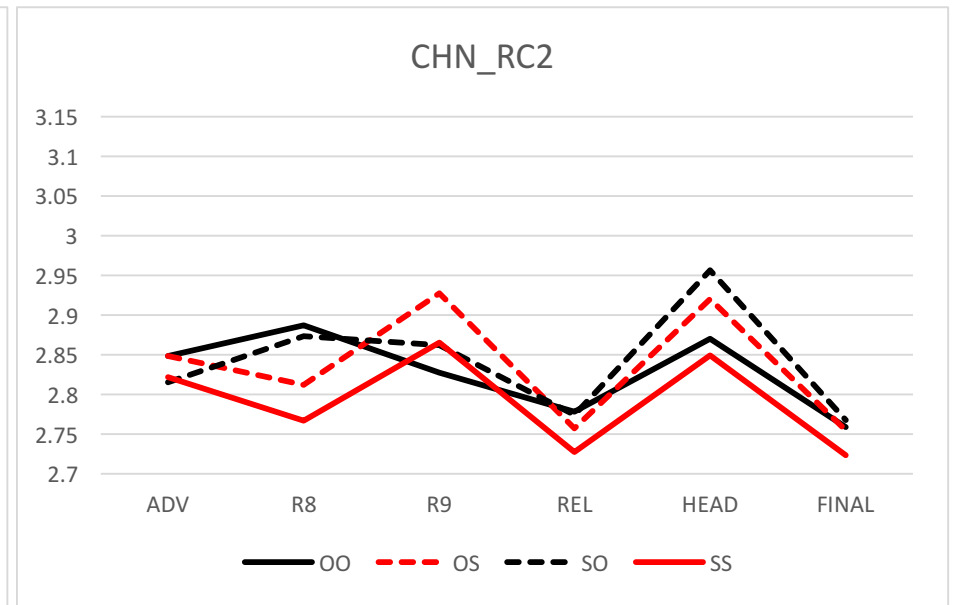
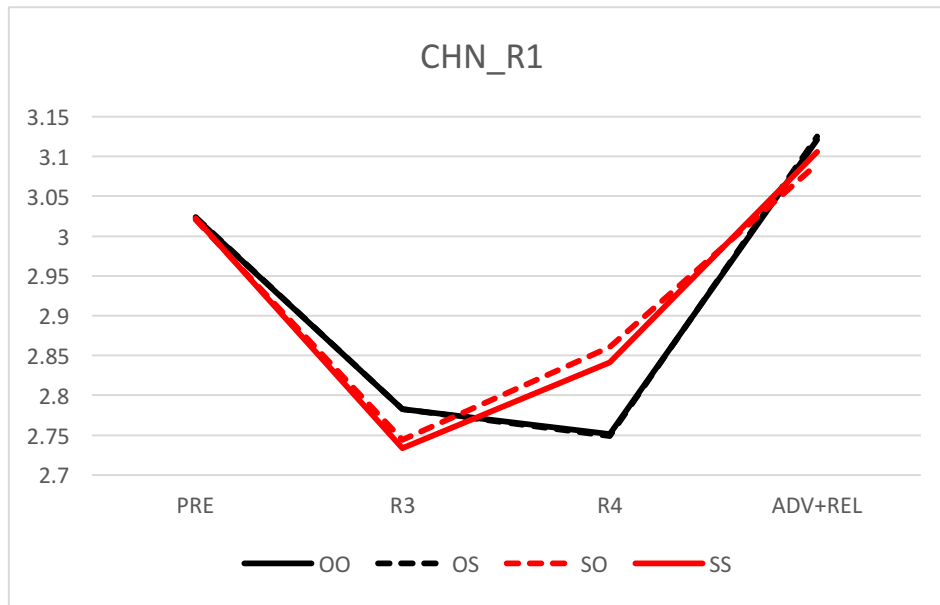
Regions	Rankings	Pairwise significance	Possible explanations
R7	OS *<< SS	Not sig.	
	OO, SO		
R8	OS *>> SS	S *<< O	Parallelism. R8 is the region to show effects due to spillover for S as RC2.
	OO, SO		
R9	OS, SS	S *>> O	Parallelism. R9 is the region to show effects due to spillover for O as RC2.
	OO *<< SO		
R10	OS, SS	Not sig.	
	OO, SO		
R78	OO << SO *<< SS << OS		

ENG_RC2



CHINESE

Type	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12
SS	Dem	on Tuesday	e kicked	the wolf	many times	de	just now	e patted	the lion	de	horse	went home.
OS	Dem	on Tuesday	the wolf	e kicked	many times	de	just now	e patted	the lion	de	horse	went home.
SO	Dem	on Tuesday	e kicked	the wolf	many times	de	just now	the lion	patted e	de	horse	went home.
OO	Dem	on Tuesday	the wolf	e kicked	many times	de	just now	the lion	patted e	de	horse	went home.



- Same stats as the English dataset.
- In RC 1, there is a robust ORC advantage. This is to the opposite of English.
- In RC 2: (notation: a *<b means a is processed significantly faster than b (a takes less time); *>> means significantly slower)

	Main Effects		Interactions	Rank Main effects	Parallelism	Parallelism interaction
R3	RC1S	t = -3.607, p < .001		R10 *>>> R1S		
R4	RC1S	t = 8.961, p < .001		R10 *<< R1S		
R5	RC1S	t = 2.863, p < .01		R10 *<< R1S		
R7	RC1S	t = -2.289, p < .05		R10 *>>> R1S	Not sig.	t = -2.289, p < .05
R8	RC1S	t = -2.557, p < .05		R10 *>>> R1S	Par Not sig.	t = -2.557, p < .05
	RC2S	t = -7.876, p < .001		R20 *>>> R2S	RC2S t = -7.876, p < .001	
R9	RC2S	t = 4.397, p < .001	RC1S:RC2S t = -4.103, p < .001	R20 *<< R2S	Par t = -4.103, p < .001 RC2S t = 4.397, p < .001	Not sig.
R10	RC2S	t = -3.134, p < .01		R20 *>>> R2S	RC2S t = -3.134, p < .01	Not sig.
R11	Almost RC2S	t = 1.856, p = 0.0675	RC1S:RC2S t = -5.121, p < .001		Par t = -5.121, p < .001	Not sig.
R12	RC2S	t = -2.836, p < .01	RC1S:RC2S t = -2.361, p < .05	R20 *>>> R2S	t = -2.361, p < .05 RC2S t = -2.836, p < .01	Not sig.
R89	RC1S	t = -2.315, p < .05	RC1S:RC2S t = -3.815, p < .001	R10 *>>> R1S		
	RC2S	t = -2.327, p < .05		R20 *>>> R2S		
R8910	RC1S	t = -2.595, p < .01	RC1S:RC2S t = -4.227, p < .001	R10 *>>> R1S		
	RC2S	t = -3.180, p < .01		R20 *>>> R2S		

Regions	Rankings	Pairwise significance	Possible explanations
R7	OS, SS	Not sig.	
	OO *>>> SO		
R8	OS *>>> SS	S *<< O	
	OO, SO		
R9	OS *>>> SS	S *>>> O	
	OO *<< SO		
R10	OS *>>> SS	S *<< O	
	OO, SO		
R11	OS *>>> SS	Almost S *<< O	
	OO, SO		
R12	OS *>>> SS	S *<< O	
	OO, SO		
R89/R8910	SS *<< OO << SO = OS		

CHN_RC2

