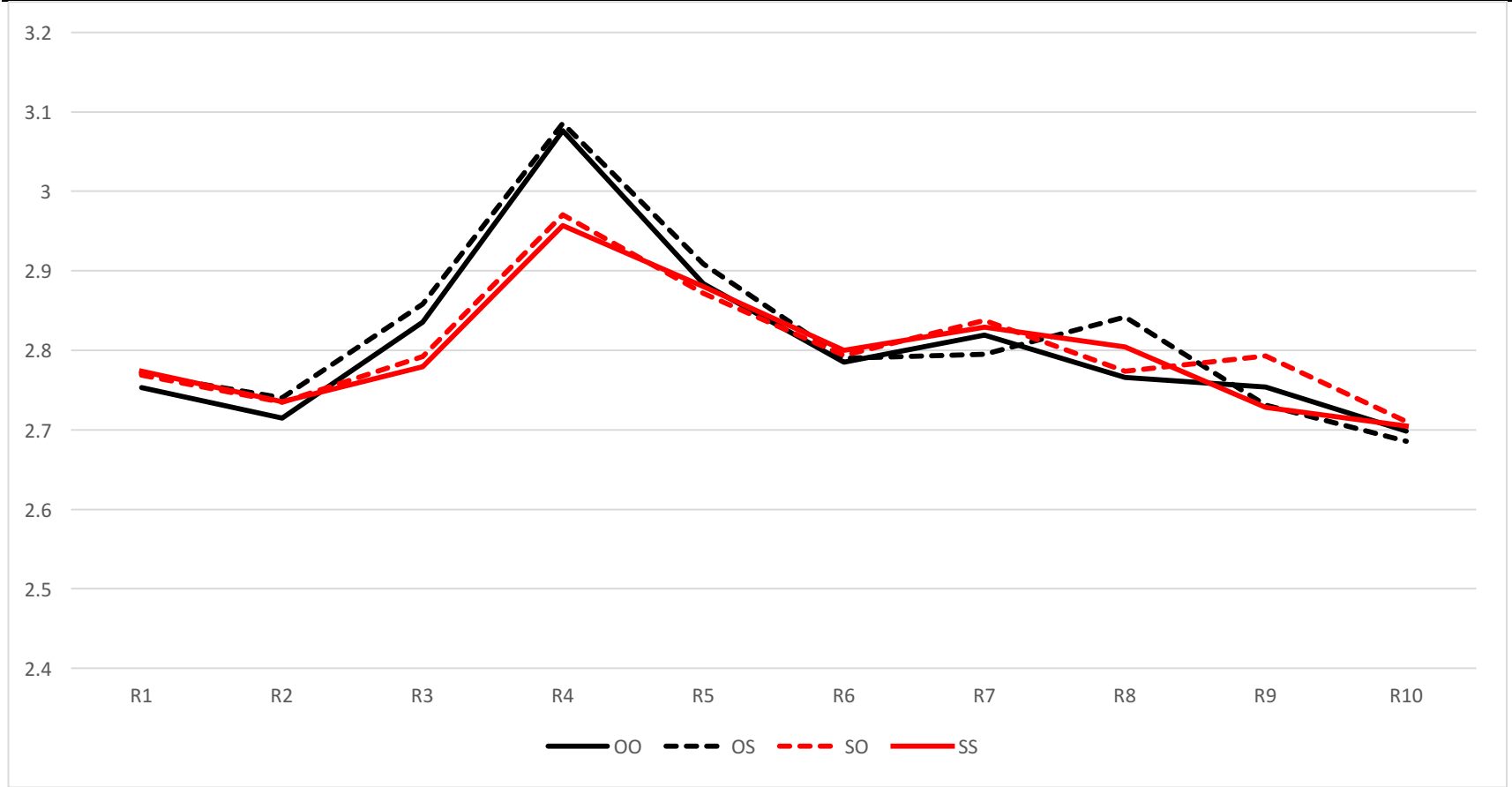


ENGLISH

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



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

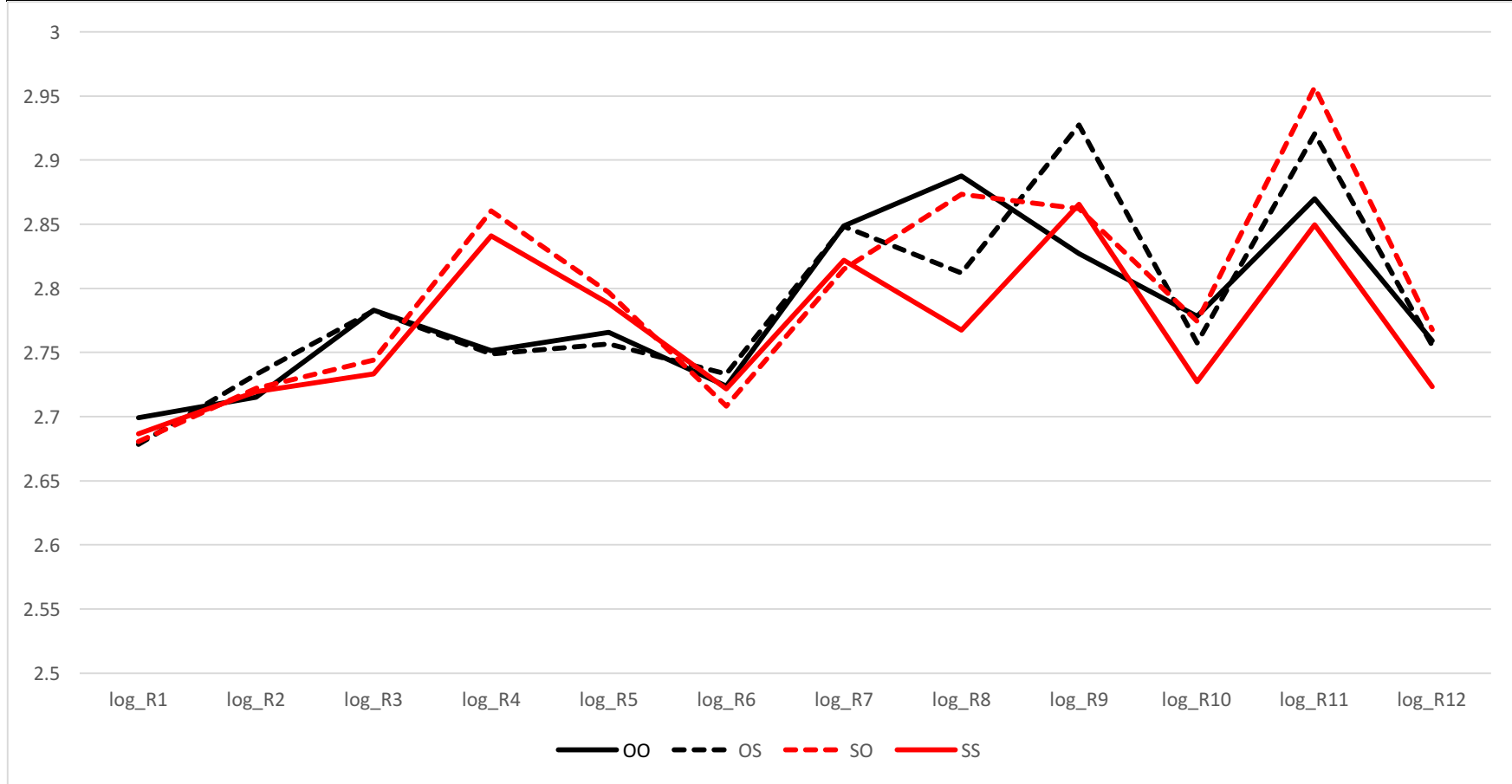
	Main Effects		Interactions		Rank main effects	Parallelism as a factor
R3	RC1S	t = -5.155, p < .001			S *>> O	
R4	RC1S	t = -8.253, p < .001			S *>> O	
R7	RC1S	t = 2.228, p < .05			OS, OO *>> SO, SS	Not sig.
R8	RC2S	t = 4.831, p < .001	RC1S:RC2S t = -2.048, p < .05	OO=SO?>>SS?>>OS	SO, OO *>> OS, SS	t = -2.048, p < .05
R9	RC2S	t = -4.489, p < .001	RC1S:RC2S t = -2.143, p < .05	SS=OS?>>OO?>>SO	SO, OO *<< OS, SS	t = -2.143, p < .05
R10	RC1S	t = 2.164, p < .05			OS, OO *>> SO, SS	Not sig.
R78	RC2S	t = 2.584, p < .05			SO, OO *>> OS, SS	Not sig.
R789	Not sig.					

- Detailed comparisons:

Regions	Rankings	Significance	Possible explanations
R7	OS *>> SS	Not sig.	Processing O in RC1 was longer, which encoded the structure better, so the S after O (OS) is processed significantly faster than the S after S (SS).
	OO, SO		
R8	OS *<< SS	* t = 4.831, S *>> O	Parallelism. R8 is the region to show effects due to spillover for S as RC2.
	OO, SO		
R9	OS, SS	* t = -4.489, 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		

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: *>> means significantly faster; *<< means significantly slower)

	Main Effects		Interactions		Rank main effects	Parallelism as a factor
R3	RC1S	t = -3.607, p < .001			S * >> O	
R4	RC1S	t = 8.961, p < .001			O * >> S	
R5	RC1S	t = 2.863, p < .01			O * >> S	
R7	RC1S	t = -2.289, p < .05			SS, SO * >> OS, OO	Not sig.
R8	RC1S	t = -2.557, p < .05			SS, SO * >> OS, OO	Not sig.
	RC2S	t = -7.876, p < .001			SS, OS * >> SO, OO	Not sig.
R9	RC2S	t = 4.397, p < .001	RC1S:RC2S t = -4.103, p < .001	OO ? >> SO = SS ? >> OS	SS, OS * << SO, OO	t = -4.103, p < .001
R10	RC2S	t = -3.134, p < .01			SS, OS * >> SO, OO	Not sig.
R11	Almost RC2S	t = 1.856, p = 0.0675	RC1S:RC2S t = -5.121, p < .001	SS ? >> OO ? >> OS ? >> SO	SS, OS * << SO, OO	t = -5.121, p < .001
R12	RC2S	t = -2.836, p < .01	RC1S:RC2S t = -2.361, p < .05	SS ? >> OO = OS ? >> SO	SS, OS * >> SO, OO	t = -2.361, p < .05
R89	RC1S	t = -2.315, p < .05	RC1S:RC2S t = -3.815, p < .001		SS, SO * >> OS, OO	t = -3.815, p < .001
	RC2S	t = -2.327, p < .05			SS, OS * >> SO, OO	
R8910	RC1S	t = -2.595, p < .01	RC1S:RC2S t = -4.227, p < .001		SS, SO * >> OS, OO	t = -4.227, p < .001
	RC2S	t = -3.180, p < .01			SS, OS * >> SO, OO	

Regions	Rankings	Significance	Possible explanations
R7	OS, SS	Not sig.	
	OO * << SO		
R8	OS * << SS	t = -2.557, S * >> O	
	OO, SO		
R9	OS * << SS	t = 4.397, S * << O	
	OO * >> SO		
R10	OS * << SS	t = -3.134, S * >> O	
	OO, SO		
R11	OS * << SS	Almost *	
	OO, SO		
R12	OS * << SS	t = -2.836, S * >> O	
	OO, SO		
R89/R8910	SS * >> SO = OS * >> OO		