

Post-Hoc Comparisons for Interaction Terms

PRODUCTION

Final Lengthening (FL2)

condition*accuracy

[grouped-ungrouped:correct-incorr]

(condition effect in correct productions)

contrast	estimate	SE	df	t.ratio	p.value
grouped correct - ungrouped correct	9.4552	1.69	39.3	5.608	<.0001

(effect of accuracy in the two conditions)

contrast	estimate	SE	df	t.ratio	p.value
grouped correct - grouped incorrect	4.6460	1.0	29.4	4.547	0.0005
ungrouped correct - ungrouped incorrect	-4.8628	1.23	34.1	-3.949	0.0022

group*exp

[LHDP-RHDP:read-repeat]

(group effect in the repetition experiment)

contrast	estimate	SE	df	t.ratio	p.value
LHDP repetition - RHDP repetition	6.104	2.03	34.6	3.012	0.029

F0_range (F02)

condition*accuracy

[grouped-ungrouped:correct-incorr]

(condition-effect for correct productions)

contrast	estimate	SE	df	t.ratio	p.value
grouped correct - ungrouped correct	3.666	0.374	33.7	9.790	<.0001

(effects of accuracy for both conditions)

contrast	estimate	SE	df	t.ratio	p.value
grouped correct - grouped incorrect	1.983	0.380	71.7	5.225	<.0001
ungrouped correct - ungrouped incorrect	-1.22	0.343	58.6	-3.562	0.0044

condition*exp

[grouped-ungrouped:read-repeat]

(effects of condition in both experiments)

contrast	estimate	SE	df	t.ratio	p.value
grouped reading_aloud - ungrouped reading_aloud	2.468	0.341	36.6	7.227	<.0001
grouped repetition - ungrouped repetition	1.659	0.353	40.4	4.696	0.0002

(effects of experiment in both conditions)

contrast	estimate	SE	df	t.ratio	p.value
grouped reading_aloud - grouped repetition	2.781	0.396	43.5	7.016	<.0001
ungrouped reading_aloud - ungrouped repetition	1.973	0.388	42.4	5.082	<.0001

group*exp

[LHDP-RHDP:read-repeat]

(group-effect in the reading aloud experiment)

contrast	estimate	SE	df	t.ratio	p.value
LHDP reading_aloud - RHDP reading_aloud	2.356	0.800	39.1	2.944	0.0325

(effect of experiment in the group of LHDP)

contrast	estimate	SE	df	t.ratio	p.value
LHDP reading_aloud - LHDP repetition	3.798	0.532	34.3	7.139	<.0001

Pause after name2 (P)

condition*accuracy

[grouped-ungrouped:correct-incorr]

(condition effect was only statistically significant for correct productions)

contrast	estimate	SE	df	t.ratio	p.value
grouped correct - ungrouped correct	17.173	1.055	29.6	16.278	<.0001

(Effects of accuracy were found for both conditions)

contrast	estimate	SE	df	t.ratio	p.value
grouped correct - grouped incorrect	10.756	1.053	28.8	10.217	<.0001
ungrouped correct - ungrouped incorrect	-6.719	0.999	28.5	-6.726	<.0001

condition*exp

[grouped-ungrouped:read-repeat]

(condition effects were confirmed for both experiments)

contrast	estimate	SE	df	t.ratio	p.value
grouped reading_aloud - ungrouped reading_aloud	11.93	1.131	29.6	10.547	<.0001
grouped repetition - ungrouped repetition	4.94	0.807	26.2	6.124	<.0001

(effect of experiment was only found for the grouped-condition)

contrast	estimate	SE	df	t.ratio	p.value
grouped reading_aloud - grouped repetition	8.30	1.258	29.4	6.601	<.0001

Production accuracy

condition*exp

[grouped-ungrouped:read-repeat]

(production accuracy in the reading aloud experiment was significantly higher than in the repetition experiment, but only in the grouped-condition)

contrast	estimate	SE	df	t.ratio	p.value
grouped reading_aloud - grouped repetition	4.062	0.980	Inf	4.144	0.0002

COMPREHENSION

ungrouped condition

manip:group

[maxLR-min3:CP-LHDP]

(for min3 LHDP were more accurate than RHDP)

contrast	estimate	SE	df	t.ratio	p.value
LHDP min3 - RHDP min3	3.1405	0.956	Inf	3.283	0.0154

(larger difference in performance between both manipulation levels for LHDP (min3 > maxLR) than for CP)

group_consec	manip_consec	estimate	SE	df	t.ratio	p.value
CP - LHDP	min3 – maxLR	-1.567	0.754	Inf	-2.077	0.0378

grouped condition

manip:group

[maxLR-min3:CP-LHDP]

(for min3 LHDP were more accurate than RHDP)

group_consec	manip_consec	estimate	SE	df	t.ratio	p.value
CP - LHDP	maxLR - max3	2.653	1.184	Inf	2.241	0.0250

(Table 6)

contrast	estimate	SE	df	t.ratio	p.value
LHDP max3 – LHDP maxLR	4.9012	1.292	Inf	3.793	0.0156
LHDP max3 – LHDP maxR	7.0341	1.349	Inf	5.216	<.0001
LHDP max3 – LHDP maxL	5.3460	1.277	Inf	4.188	0.0030
LHDP max3 - LHDP min3	7.2308	1.349	Inf	5.361	<.0001
LHDP maxLR - LHDP min3	2.3295	0.631	Inf	3.691	0.0235
CP max3 – CP maxR	3.7259	0.808	Inf	4.610	0.0004
CP max3 – CP maxL	2.5956	0.728	Inf	3.567	0.0379
CP max3 - CP min3	3.4568	0.810	Inf	4.268	0.0021
RHDP max3 - RHDP maxR	2.6894	0.706	Inf	3.807	0.0148
RHDP max3 - RHDP maxL	2.1816	0.614	Inf	3.555	0.0396
RHDP max3 - RHDP min3	2.5312	0.706	Inf	3.583	0.0356