

Supplemental Information 2 Model Comparisons for Global Text Quality

Table 1

Comparison for the Models for Argumentative and Creative Text Quality

Argumentative Text		X^2	df	Models	X^2	df	p
Model 0	Y = C + [variances]	5619.118	3				
Model 1	Plus: Time	5587.362	5	0 vs 1	31.756	2	< .001
Model 2	Plus: Condition	5586.583	6	1 vs 2	0.779	1	.38
Model 3	Plus: Interaction Condition Time	5586.107	8	2 vs 3	0.476	2	.79
Model 4	Plus: LLVAR	5582.043	9	3 vs 4	4.064	1	.04
Model 5	Plus: LLVAR * Time	5563.419	11	4 vs 5	18.624	2	.00
Model 6	Plus: LLVAR * CON	5563.318	12	5 vs 6	0.101	1	.75
Model 7	Plus: LLVAR * CON * Time	5551.387	14	6 vs 7	11.931	2	< .001
Creative Text							
Model 0	Y = C + [variances]	5836.435	3				
Model 1	Plus: Time	5834.308	5	0 vs 1	2.127	2	.35
Model 2	Plus: Condition	5830.583	6	1 vs 2	3.725	1	.05
Model 3	Plus: Interaction Condition Time	5824.709	8	2 vs 3	5.874	2	.05
Model 4	Plus: LLVAR	5823.109	9	3 vs 4	1.6	1	.21
Model 5	Plus: LLVAR * Time	5822.509	11	4 vs 5	0.6	2	.74
Model 6	Plus: LLVAR * CON	5822.463	12	5 vs 6	0.046	1	.83
Model 7	Plus: LLVAR * CON * Time	5793.703	14	6 vs 7	28.76	2	< .001