

Primary	Secondary	Llama-11B		Gemma-12B		Qwen-14B	
		<i>t</i>	<i>p</i> (one-sided)	<i>t</i>	<i>p</i> (one-sided)	<i>t</i>	<i>p</i> (one-sided)
assertiveness	formality	2.75	3.76×10^{-3}	7.22	1.90×10^{-10}	6.84	9.85×10^{-10}
formality	assertiveness	6.78	1.28×10^{-9}	3.59	2.96×10^{-4}	4.14	4.59×10^{-5}
clarity	politeness	-0.53	7.02×10^{-1}	5.01	1.80×10^{-6}	0.24	4.07×10^{-1}
politeness	clarity	1.74	4.28×10^{-2}	4.47	1.40×10^{-5}	1.82	3.61×10^{-2}
humor	persuasiveness	3.60	2.89×10^{-4}	4.81	3.87×10^{-6}	1.87	3.25×10^{-2}
persuasiveness	humor	2.73	3.92×10^{-3}	10.07	8.01×10^{-16}	6.49	4.39×10^{-9}

Table 25: ARGUMENT generation paired one-sided *t*-tests on Fisher *z*-transformed Spearman correlations comparing single-concept and dual-concept with **constant** secondary control across medium-sized models.

Primary	Secondary	Llama-11B		Gemma-12B		Qwen-14B	
		<i>t</i>	<i>p</i> (one-sided)	<i>t</i>	<i>p</i> (one-sided)	<i>t</i>	<i>p</i> (one-sided)
assertiveness	formality	2.07	2.12×10^{-2}	4.96	2.22×10^{-6}	3.86	1.21×10^{-4}
formality	assertiveness	5.14	1.07×10^{-6}	8.66	3.68×10^{-13}	1.18	1.21×10^{-1}
clarity	politeness	4.49	1.30×10^{-5}	8.74	2.52×10^{-13}	3.22	9.42×10^{-4}
politeness	clarity	4.49	1.27×10^{-5}	9.53	8.49×10^{-15}	2.19	1.59×10^{-2}
humor	persuasiveness	5.50	2.61×10^{-7}	6.12	2.00×10^{-8}	1.06	1.47×10^{-1}
persuasiveness	humor	2.78	3.44×10^{-3}	9.13	4.76×10^{-14}	3.80	1.45×10^{-4}

Table 26: STORY generation paired one-sided *t*-tests on Fisher *z*-transformed Spearman correlations comparing single-concept and dual-concept with **constant** secondary control across medium-sized models.

Primary	Secondary	Llama-11B		Gemma-12B		Qwen-14B	
		<i>t</i>	<i>p</i> (one-sided)	<i>t</i>	<i>p</i> (one-sided)	<i>t</i>	<i>p</i> (one-sided)
assertiveness	formality	3.09	1.41×10^{-3}	6.21	1.43×10^{-8}	0.78	2.19×10^{-1}
formality	assertiveness	4.76	5.00×10^{-6}	3.00	1.85×10^{-3}	6.03	2.95×10^{-8}
clarity	politeness	2.73	3.95×10^{-3}	4.22	3.40×10^{-5}	2.74	3.88×10^{-3}
politeness	clarity	4.15	4.40×10^{-5}	7.44	7.52×10^{-11}	4.42	1.67×10^{-5}
humor	persuasiveness	4.49	1.30×10^{-5}	4.78	4.38×10^{-6}	1.10	1.37×10^{-1}
persuasiveness	humor	4.49	1.30×10^{-5}	10.51	1.24×10^{-16}	12.64	1.85×10^{-20}

Table 27: STRUCTURED generation paired one-sided *t*-tests on Fisher *z*-transformed Spearman correlations comparing single-concept and dual-concept with **constant** secondary control across medium-sized models.