## Personality Matters: Task-Specific Effects of Psychological Framings in Agentified LLMs \*Suplementary Material

Abstract—In this paper, we investigate how psychologically grounded role descriptions influence the reasoning performance of multi-agent systems based on Large Language Models (LLMs). Building on the Pool of Experts (PoE) framework, we instantiate expert agents using thirteen distinct psychological or usercentered description frameworks-including Big Five Traits, Social Cognitive Theory, and Cognitive Load Theory-and evaluate their performance across five reasoning benchmarks. Our findings reveal that while no single framework dominates globally, statistically significant differences emerge within individual tasks, with some framings better aligned to specific cognitive demands. We use weighted non-parametric statistical tests to account for sample size imbalances, and show that the choice of agent framing systematically impacts performance in tasks requiring commonsense, symbolic, and socio-emotional reasoning. These results establish psychological agent framing as a meaningful inductive bias in agentified LLM systems, and support the development of task-aware personalization strategies. All models, code, and analysis scripts are publicly available at https://anonymous.4open.science/r/wi-iat-2025-43E2

Index Terms—Multi-Agent System, Large Language Models, Agentic AI, Psychological Frameworks

## I. GLOBAL CONTINGENCY TABLE

Framework	Successes	Failures
Big Five Personality Traits	3852.88	1361.12
Cognitive Behavioral Theory	3877.08	1334.92
Cognitive Load Theory	3805.98	1353.02
Dual-Process Theory	3761.01	1352.99
Enneagram of Personality Traits	3874.04	1348.96
Erikson's Psychosocial Stages	3943.05	1430.95
Flow Theory	3873.00	1361.99
Freudian Psychoanalysis	3933.92	1355.08
Mental Models	3896.01	1367.99
Myers-Briggs Type Indicator	3903.03	1364.97
Social Cognitive Theory	3840.96	1339.04
User Design Persona	3972.96	1343.04
User-Centered Design	3864.89	1380.11

TABLE I

GLOBAL CONTINGENCY TABLE OF FINAL DECISION MAKER SUCCESSES AND FAILURES BY FRAMEWORK.

Table I reports the aggregated contingency table for the Final Decision Maker, showing the total number of successes and failures for each description framework. As observed, the success and failure counts across the frameworks vary only slightly.

II. WEIGHTED MANN-WHITNEY TEST TABLES

Framework 1	Framework 2	MW-stat	p-value	Sig
Big Five Personality Traits	Cognitive Behavioral Theory	0.0000	0	Ye
Big Five Personality Traits	Cognitive Load Theory	0.0000	Ö	Ye
Big Five Personality Traits	Dual-Process Theory	0.0000	O	Ye
Big Five Personality Traits Big Five Personality Traits	Enneagram of Personality Traits	2485080.0000	O	Ye
Big Five Personality Traits	Erikson's Psychosocial Stages	0.0000	O	Ye
Big Five Personality Traits	Flow Theory	0.0000	0	Ye
Big Five Personality Traits	Freudian Psychoanalysis	0.0000 0.0000	0	Ye
Big Five Personality Traits Big Five Personality Traits	Mental Models Myers-Briggs Type Indicator	0.0000	0	Ye Ye
Big Five Personality Traits	Social Cognitive Theory	2514720.0000	ŏ	Ye
Big Five Personality Traits	User Design Persona	0.0000	Ö	Ye
Big Five Personality Traits Big Five Personality Traits	User-Centered Design	0.0000	O	Ye
Cognitive Behavioral Theory	Cognitive Load Theory	0.0000	O	Ye
Cognitive Behavioral Theory	Dual-Process Theory	2470508.0000	o	Ye
Cognitive Behavioral Theory	Enneagram of Personality Traits	2545614.0000	O	Ye
Cognitive Behavioral Theory	Erikson's Psychosocial Stages	0.0000	0	Ye Ye
Cognitive Behavioral Theory Cognitive Behavioral Theory	Flow Theory Freudian Psychoanalysis	0.0000	ő	
	Mental Models	0.0000	0	Ye Ye
Cognitive Behavioral Theory	Myers-Briggs Type Indicator	0.0000	ő	Ye
Cognitive Behavioral Theory Cognitive Behavioral Theory	Social Cognitive Theory	2575976.0000	ŏ	Ye
Cognitive Behavioral Theory	User Design Persona	0.0000	O	Ye
Cognitive Behavioral Theory	User-Centered Design	0.0000	O	Ye
Cognitive Load Theory	Dual-Process Theory	2408668.0000	O	Ye
Cognitive Load Theory	Enneagram of Personality Traits	2481894.0000	О	Ye
Cognitive Load Theory	Erikson's Psychosocial Stages	2595628.0000	O	Ye
Cognitive Load Theory	Flow Theory	2553562.0000	o	Ye
Cognitive Load Theory	Freudian Psychoanalysis	2497474.0000	0	Ye
Cognitive Load Theory	Mental Models	2458524.0000 2494358.0000	0	Ye
Cognitive Load Theory	Myers-Briggs Type Indicator Social Cognitive Theory	2511496.0000	ő	Ye
Cognitive Load Theory Cognitive Load Theory	User Design Persona	2541098.0000	ő	Ye
Cognitive Load Theory	User-Centered Design	2537982.0000	ŏ	Ye
Dual-Process Theory	Enneagram of Personality Traits	2462778.0000	Ö	Ye
Dual-Process Theory	Erikson's Psychosocial Stages	0.0000	О	Ye
Dual-Process Theory	Flow Theory	0.0000	O	Ye
Dual-Process Theory	Freudian Psychoanalysis	0.0000	О	Ye
Dual-Process Theory	Mental Models	0.0000	O	Ye
Dual-Process Theory	Myers-Briggs Type Indicator	0.0000	O	Ye
Dual-Process Theory	Social Cognitive Theory	2492152.0000	0	Ye
Dual-Process Theory Dual-Process Theory	User Design Persona User-Centered Design	0.0000 0.0000	0	Ye
Enneagram of Personality Traits	Erikson's Psychosocial Stages	0.0000	ő	Ye
Enneagram of Personality Traits	Flow Theory	0.0000	ŏ	Ye
Enneagram of Personality Traits	Freudian Psychoanalysis	0.0000	Ö	Ye
Enneagram of Personality Traits	Mental Models	0.0000	О	Ye
Enneagram of Personality Traits Enneagram of Personality Traits	Myers-Briggs Type Indicator	0.0000	O	Ye
Enneagram of Personality Traits	Social Cognitive Theory	2567916.0000	О	Ye
Enneagram of Personality Traits	User Design Persona	0.0000	o	Ye
Enneagram of Personality Traits	User-Centered Design	0.0000	O	Ye
Erikson's Psychosocial Stages	Flow Theory	2730574.0000	o	Ye
Erikson's Psychosocial Stages	Freudian Psychoanalysis Mental Models	2670598.0000 0.0000	0	Ye
Erikson's Psychosocial Stages Erikson's Psychosocial Stages	Myers-Briggs Type Indicator	2667266.0000	ő	Ye
Erikson's Psychosocial Stages	Social Cognitive Theory	2685592.0000	ő	Ye
Erikson's Psychosocial Stages	User Design Persona	2717246.0000	ŏ	Ye
Erikson's Psychosocial Stages	User-Centered Design	2713914.0000	0	Ye
Flow Theory	Freudian Psychoanalysis	0.0000	O	Ye
Flow Theory Flow Theory	Mental Models	0.0000	O	Ye
Flow Theory	Myers-Briggs Type Indicator	2624039.0000	О	Ye
Flow Theory	Social Cognitive Theory	2642068.0000	0	Ye
Flow Theory	User Design Persona	2673209.0000	0	Ye
Flow Theory	User-Centered Design	2669931.0000	0	Ye
Freudian Psychoanalysis	Mental Models Myorg Priggs Type Indicator	0.0000 2566403.0000	0	Ye
Freudian Psychoanalysis Freudian Psychoanalysis	Myers-Briggs Type Indicator Social Cognitive Theory	2584036.0000	ő	Ye
Freudian Psychoanalysis	User Design Persona	2614493.0000	ő	Ye
Freudian Psychoanalysis	User-Centered Design	2611287.0000	ŏ	Ye
Mental Models	Myers-Briggs Type Indicator	2526378.0000	ŏ	Ye
Mental Models	Social Cognitive Theory	2543736.0000	ŏ	Ye
Mental Models	User Design Persona	2573718.0000	O	Ye
Mental Models	User-Centered Design	2570562.0000	O	Ye
Myers-Briggs Type Indicator	Social Cognitive Theory	2580812.0000	O	Ye
Myers-Briggs Type Indicator	User Design Persona	2611231.0000	O	Ye
Myers-Briggs Type Indicator	User-Centered Design	2608029.0000	0	Ye
Social Cognitive Theory	User Design Persona	0.0000	0	Ye
Social Cognitive Theory	User-Centered Design	0.0000	0	Ye
User Design Persona	User-Centered Design	2656899.0000	O	Ye

PAIRWISE WEIGHTED MANN-WHITNEY COMPARISONS OF DESCRIPTION FRAMEWORKS FOR STRATEGY QA (FINAL DECISION MAKER).

Framework 1	Framework 2	MW-stat	p-value	Sig
Big Five Personality Traits Big Five Personality Traits	Cognitive Behavioral Theory Cognitive Load Theory	318047.0000 0.0000	4.48945e-247 1.10396e-244	Ye Ye
Big Five Personality Traits	Dual-Process Theory	304122.0000	1.21835e-241	Ye
Big Five Personality Traits	Enneagram of Personality Traits	0.0000	2.45995e-245	Y
Big Five Personality Traits Big Five Personality Traits	Erikson's Psychosocial Stages	319718.0000	1.00039e-247	Ye
Big Five Personality Traits	Flow Theory	303565.0000	2.00963e-241	Ye
Big Five Personality Traits	Freudian Psychoanalysis	315819.0000	3.32321e-246	Ye
Big Five Personality Traits Big Five Personality Traits	Mental Models	322503.0000	8.19354e-249	Ye
Big Five Personality Traits	Myers-Briggs Type Indicator	320275.0000	6.065e-248	Y
Big Five Personality Traits	Social Cognitive Theory	305236.0000 0.0000	4.47797e-242 1.65011e-247	Y
Big Five Personality Traits Big Five Personality Traits	User Design Persona User-Centered Design	308021.0000	3.6674e-243	Y
Cognitive Behavioral Theory	Cognitive Load Theory	0.0000	1.00039e-247	Y
Cognitive Behavioral Theory	Dual-Process Theory	0.0000	1.10396e-244	Y
Cognitive Behavioral Theory	Enneagram of Personality Traits	0.0000	2.22921e-248	Y
Cognitive Behavioral Theory	Erikson's Psychosocial Stages	0.0000	9.06613e-251	Y
Cognitive Behavioral Theory	Flow Theory	0.0000	1.82095e-244	Y
Cognitive Behavioral Theory	Freudian Psychoanalysis	0.0000	3.01157e-249	Y
Cognitive Behavioral Theory	Mental Models	330609.0000	7.42564e-252	Y
Cognitive Behavioral Theory	Myers-Briggs Type Indicator	0.0000	5.49647e-251	Ye
Cognitive Behavioral Theory	Social Cognitive Theory	0.0000	4.0576e-245	Y
Cognitive Behavioral Theory Cognitive Behavioral Theory	User Design Persona User-Centered Design	0.0000	1.49541e-250 3.32322e-246	Yo
Cognitive Load Theory	Dual-Process Theory	305760.0000	2.71479e-242	Y
Cognitive Load Theory	Enneagram of Personality Traits	0.0000	5.48151e-246	Y
Cognitive Load Theory	Erikson's Psychosocial Stages	321440.0000	2.22921e-248	Y
Cognitive Load Theory	Flow Theory	305200.0000	4.47797e-242	Y
Cognitive Load Theory	Freudian Psychoanalysis	317520.0000	7.40516e-247	Y
Cognitive Load Theory	Mental Models	324240.0000	1.8258e-249	Y
Cognitive Load Theory	Myers-Briggs Type Indicator	322000.0000	1.35148e-248	Y
Cognitive Load Theory	Social Cognitive Theory	306880.0000	9.97808e-243	Y
Cognitive Load Theory	User Design Persona	0.0000	3.67698e-248	Y
Cognitive Load Theory	User-Centered Design	309680.0000	8.17197e-244	Y
Dual-Process Theory	Enneagram of Personality Traits	0.0000	6.04927e-243 2.45996e-245	Y
Oual-Process Theory Oual-Process Theory	Erikson's Psychosocial Stages Flow Theory	0.0000	4.9423e-239	Y
Oual-Process Theory	Freudian Psychoanalysis	0.0000	8.17198e-244	Y
Oual-Process Theory	Mental Models	316134.0000	2.01474e-246	Y
Dual-Process Theory	Myers-Briggs Type Indicator	0.0000	1.49137e-245	Y
Oual-Process Theory	Social Cognitive Theory	0.0000	1.10125e-239	Y
Dual-Process Theory	User Design Persona	0.0000	4.0576e-245	Y
Dual-Process Theory	User-Centered Design	0.0000	9.01892e-241	Y
Enneagram of Personality Traits	Erikson's Psychosocial Stages	323162.0000	4.96743e-249	Y
Enneagram of Personality Traits Enneagram of Personality Traits	Flow Theory	306835.0000 319221.0000	9.97809e-243 1.6501e-247	Yo
	Freudian Psychoanalysis			
Enneagram of Personality Traits	Mental Models Myers-Briggs Type Indicator	325977.0000 323725.0000	4.06852e-250 3.01157e-249	Yo
Enneagram of Personality Traits Enneagram of Personality Traits	Social Cognitive Theory	308524.0000	2.22338e-243	Y
Enneagram of Personality Traits	User Design Persona	0.0000	8.19353e-249	Y
Enneagram of Personality Traits	User-Centered Design	311339,0000	1.82095e-244	Y
Erikson's Psychosocial Stages	Flow Theory	312830.0000	4.0576e-245	Y
Erikson's Psychosocial Stages	Freudian Psychoanalysis	325458.0000	6.71082e-250	Y
Erikson's Psychosocial Stages	Mental Models	332346.0000	1.65471e-252	Y
Erikson's Psychosocial Stages	Myers-Briggs Type Indicator	330050.0000	1.22482e-251	Y
rikson's Psychosocial Stages	Social Cognitive Theory	314552.0000	9.04155e-246	Y
Erikson's Psychosocial Stages	User Design Persona	0.0000	3.33231e-251	Y
Erikson's Psychosocial Stages	User-Centered Design	317422.0000	7.40516e-247 1.34794e-243	Y
Flow Theory	Freudian Psychoanalysis Mental Models	309015.0000 315555.0000	1.34/94e-243 3.32322e-246	Yo
Flow Theory Flow Theory	Myers-Briggs Type Indicator	313335.0000	2.45996e-245	Y
Flow Theory	Social Cognitive Theory	298660.0000	1.81649e-239	Y
Flow Theory	User Design Persona	0.0000	6.69287e-245	Y
Flow Theory	User-Centered Design	301385.0000	1.48765e-240	Y
reudian Psychoanalysis	Mental Models	328293.0000	5.49647e-251	Y
reudian Psychoanalysis	Myers-Briggs Type Indicator	326025.0000	4.06852e-250	Y
reudian Psychoanalysis	Social Cognitive Theory	310716.0000	3.00359e-244	Y
reudian Psychoanalysis	User Design Persona	0.0000	1.10691e-249	Y
reudian Psychoanalysis	User-Centered Design	313551.0000	2.45995e-245	Y
Mental Models	Myers-Briggs Type Indicator	0.0000	1.0032e-252	Y
Aental Models	Social Cognitive Theory	0.0000	7.40517e-247	Y
Mental Models Mental Models	User Design Persona	0.0000	2.72935e-252 6.06501e-248	Yo
Myers-Briggs Type Indicator	User-Centered Design Social Cognitive Theory	315100.0000	5.48152e-246	Y
Ayers-Briggs Type Indicator  Ayers-Briggs Type Indicator	User Design Persona	0.0000	2.02027e-251	Y
Ayers-Briggs Type Indicator	User-Centered Design	317975.0000	4.48946e-247	Y
Social Cognitive Theory	User Design Persona	0.0000	1.49137e-245	Y
Social Cognitive Theory	User-Centered Design	303044.0000	3.31484e-241	Ye
Jser Design Persona	User-Centered Design	316869.0000	1.22145e-246	Ye

PAIRWISE WEIGHTED MANN-WHITNEY COMPARISONS OF DESCRIPTION FRAMEWORKS FOR COMMON SENSE QA (FINAL DECISION MAKER).

Framework 1	Framework 2	MW-stat	p-value	Sig
Big Five Personality Traits	Cognitive Behavioral Theory	250000.0000	2.97418e-219	Ye
Big Five Personality Traits	Cognitive Load Theory	250000.0000	2.97418e-219	Ye
Big Five Personality Traits	Dual-Process Theory	0.0000	2.97418e-219	Ye
Big Five Personality Traits Big Five Personality Traits	Enneagram of Personality Traits	250000.0000	2.97418e-219	Ye
Big Five Personality Traits	Erikson's Psychosocial Stages	250000.0000	2.97418e-219	Ye
Big Five Personality Traits Big Five Personality Traits	Flow Theory	250000.0000	2.97418e-219	Ye
Big Five Personality Traits	Freudian Psychoanalysis	0.0000	2.97418e-219	Ye
Big Five Personality Traits	Mental Models	125000.0000	1	N
Big Five Personality Traits	Myers-Briggs Type Indicator	0.0000	2.97418e-219	Ye
Big Five Personality Traits Big Five Personality Traits	Social Cognitive Theory	0.0000	2.97418e-219	Ye
Big Five Personality Traits	User Design Persona	0.0000	2.97418e-219	Ye
Big Five Personality Traits Cognitive Behavioral Theory	User-Centered Design Cognitive Load Theory	250000.0000 250000.0000	2.97418e-219 2.97418e-219	Ye Ye
Cognitive Behavioral Theory	Dual-Process Theory	0.0000	2.97418e-219 2.97418e-219	Ye
Cognitive Behavioral Theory Cognitive Behavioral Theory	Enneagram of Personality Traits	250000.0000	2.97418e-219 2.97418e-219	Ye
Cognitive Behavioral Theory	Erikson's Psychosocial Stages	250000.0000	2.97418e-219	Ye
Cognitive Behavioral Theory	Flow Theory	250000.0000	2.97418e-219	Ye
Cognitive Behavioral Theory	Freudian Psychoanalysis	0.0000	2.97418e-219	Ye
Cognitive Behavioral Theory Cognitive Behavioral Theory	Mental Models	0.0000	2.97418e-219	Ye
Cognitive Behavioral Theory	Myers-Briggs Type Indicator	0.0000	2.97418e-219	Ye
Cognitive Behavioral Theory	Social Cognitive Theory	0.0000	2.97418e-219	Ye
Cognitive Behavioral Theory	User Design Persona	0.0000	2.97418e-219	Ye
Cognitive Behavioral Theory	User-Centered Design	250000.0000	2.97418e-219	Ye
Cognitive Load Theory	Dual-Process Theory	0.0000	2.97418e-219	Ye
Cognitive Load Theory Cognitive Load Theory	Enneagram of Personality Traits	0.0000	2.97418e-219	Ye
Cognitive Load Theory	Erikson's Psychosocial Stages	250000.0000	2.97418e-219	Ye
Cognitive Load Theory	Flow Theory	0.0000	2.97418e-219	Ye
Cognitive Load Theory	Freudian Psychoanalysis	0.0000	2.97418e-219	Ye
Cognitive Load Theory	Mental Models	0.0000	2.97418e-219	Ye
Cognitive Load Theory	Myers-Briggs Type Indicator	0.0000	2.97418e-219	Ye
Cognitive Load Theory	Social Cognitive Theory	0.0000	2.97418e-219	Ye
Cognitive Load Theory Cognitive Load Theory	User Design Persona	0.0000	2.97418e-219 2.97418e-219	Ye
Oual-Process Theory	User-Centered Design Enneagram of Personality Traits	250000.0000 250000.0000	2.97418e-219 2.97418e-219	Ye Ye
Oual-Process Theory	Erikson's Psychosocial Stages	250000.0000	2.97418e-219 2.97418e-219	Ye
Oual-Process Theory	Flow Theory	250000.0000	2.97418e-219 2.97418e-219	Ye
Oual-Process Theory	Freudian Psychoanalysis	250000.0000	2.97418e-219 2.97418e-219	Ye
Oual-Process Theory	Mental Models	250000.0000	2.97418e-219	Ye
Oual-Process Theory	Myers-Briggs Type Indicator	250000.0000	2.97418e-219	Ye
Oual-Process Theory	Social Cognitive Theory	250000.0000	2.97418e-219	Ye
Oual-Process Theory	User Design Persona	250000.0000	2.97418e-219	Ye
Dual-Process Theory	User-Centered Design	250000.0000	2.97418e-219	Ye
Enneagram of Personality Traits	Erikson's Psychosocial Stages	250000.0000	2.97418e-219	Ye
Enneagram of Personality Traits	Flow Theory	250000.0000	2.97418e-219	Ye
Enneagram of Personality Traits	Freudian Psychoanalysis	0.0000	2.97418e-219	Ye
Enneagram of Personality Traits	Mental Models	0.0000	2.97418e-219	Ye
Enneagram of Personality Traits	Myers-Briggs Type Indicator	0.0000	2.97418e-219	Ye
Enneagram of Personality Traits	Social Cognitive Theory	0.0000	2.97418e-219	Ye
Enneagram of Personality Traits	User Design Persona	0.0000	2.97418e-219	Ye
Enneagram of Personality Traits	User-Centered Design	250000.0000	2.97418e-219	Ye
Erikson's Psychosocial Stages	Flow Theory	0.0000	2.97418e-219 2.97418e-219	Ye Ye
Erikson's Psychosocial Stages	Freudian Psychoanalysis Mental Models	0.0000	2.97418e-219 2.97418e-219	Ye
Erikson's Psychosocial Stages Erikson's Psychosocial Stages	Myers-Briggs Type Indicator	0.0000	2.97418e-219 2.97418e-219	Ye
Erikson's Psychosocial Stages	Social Cognitive Theory	0.0000	2.97418e-219 2.97418e-219	Ye
Erikson's Psychosocial Stages	User Design Persona	0.0000	2.97418e-219	Ye
Erikson's Psychosocial Stages	User-Centered Design	0.0000	2.97418e-219	Ye
low Theory	Freudian Psychoanalysis	0.0000	2.97418e-219	Ye
Flow Theory Flow Theory	Mental Models	0.0000	2.97418e-219	Ye
Flow Theory	Myers-Briggs Type Indicator	0.0000	2.97418e-219	Ye
flow Theory	Social Cognitive Theory	0.0000	2.97418e-219	Ye
Flow Theory	User Design Persona	0.0000	2.97418e-219	Ye
flow Theory	User-Centered Design	250000.0000	2.97418e-219	Ye
reudian Psychoanalysis	Mental Models	250000.0000	2.97418e-219	Ye
reudian Psychoanalysis	Myers-Briggs Type Indicator	250000.0000	2.97418e-219	Ye
reudian Psychoanalysis	Social Cognitive Theory	250000.0000	2.97418e-219	Ye
reudian Psychoanalysis	User Design Persona	250000.0000	2.97418e-219	Ye
reudian Psychoanalysis	User-Centered Design	250000.0000	2.97418e-219	Ye
Mental Models	Myers-Briggs Type Indicator	0.0000	2.97418e-219	Ye
Mental Models	Social Cognitive Theory	0.0000	2.97418e-219	Ye
Mental Models	User Design Persona	0.0000	2.97418e-219	Ye
Mental Models	User-Centered Design	250000.0000	2.97418e-219	Ye
Myers-Briggs Type Indicator	Social Cognitive Theory	250000.0000 125000.0000	2.97418e-219	Ye
Myers-Briggs Type Indicator	User Centered Design		2 074180 210	
Myers-Briggs Type Indicator	User-Centered Design User Design Persona	250000.0000 0.0000	2.97418e-219 2.97418e-219	Ye Ye
Social Cognitive Theory Social Cognitive Theory		250000.0000	2.97418e-219 2.97418e-219	Ye
Jser Design Persona	User-Centered Design User-Centered Design	250000.0000	2.97418e-219 2.97418e-219	Ye
zaci Design reisona	Osci-Centered Design	230000.0000	2.7/4108-219	16

PAIRWISE WEIGHTED MANN-WHITNEY COMPARISONS OF DESCRIPTION FRAMEWORKS FOR LAST LETTER CONCAT (FINAL DECISION MAKER).

Framework 1	Framework 2	MW-stat	p-value	Sig
Big Five Personality Traits	Cognitive Behavioral Theory	0.0000	0	Ye
Big Five Personality Traits	Cognitive Load Theory	2794800.0000	Õ	Ye
Big Five Personality Traits	Dual-Process Theory	2762500.0000	O	Ye
Big Five Personality Traits Big Five Personality Traits	Enneagram of Personality Traits	2839000.0000	O	Ye
Big Five Personality Traits	Erikson's Psychosocial Stages	2952900.0000	o	Ye
Big Five Personality Traits	Flow Theory	2811800.0000	o	Ye
Big Five Personality Traits	Freudian Psychoanalysis	2927400.0000	0	Ye Ye
Big Five Personality Traits Big Five Personality Traits	Mental Models Myors Priggs Type Indicator	2907000.0000 2881500.0000	0	Ye
Big Five Personality Traits	Myers-Briggs Type Indicator Social Cognitive Theory	2759100.0000	ő	Ye
Big Five Personality Traits	User Design Persona	0.0000	ő	Ye
Big Five Personality Traits Big Five Personality Traits	User-Centered Design	2832200.0000	õ	Ye
Cognitive Behavioral Theory	Cognitive Load Theory	2706024.0000	O	Ye
Cognitive Behavioral Theory	Dual-Process Theory	2674750.0000	O	Ye
Cognitive Behavioral Theory	Enneagram of Personality Traits	2748820.0000	O	Ye
Cognitive Behavioral Theory	Erikson's Psychosocial Stages	2859102.0000	О	Ye
Cognitive Behavioral Theory	Flow Theory	2722484.0000	o	Ye
Cognitive Behavioral Theory	Freudian Psychoanalysis	2834412.0000	O	Ye
Cognitive Behavioral Theory	Mental Models	2814660.0000	o	Ye
Cognitive Behavioral Theory Cognitive Behavioral Theory	Myers-Briggs Type Indicator	2789970.0000 2671458.0000	0	Ye Ye
Cognitive Behavioral Theory	Social Cognitive Theory User Design Persona	0.0000	ő	Ye
Cognitive Behavioral Theory	User-Centered Design	2742236.0000	ő	Ye
Cognitive Load Theory	Dual-Process Theory	2671500.0000	ő	Ye
Cognitive Load Theory	Enneagram of Personality Traits	0.0000	ŏ	Ye
Cognitive Load Theory	Erikson's Psychosocial Stages	2855628.0000	Ö	Ye
Cognitive Load Theory	Flow Theory	0.0000	O	Ye
Cognitive Load Theory	Freudian Psychoanalysis	0.0000	О	Ye
Cognitive Load Theory	Mental Models	2811240.0000	o	Ye
Cognitive Load Theory	Myers-Briggs Type Indicator	2786580.0000	o	Ye
Cognitive Load Theory	Social Cognitive Theory	0.0000	0	Ye
Cognitive Load Theory Cognitive Load Theory	User Design Persona User-Centered Design	0.0000 2738904.0000	0	Ye
Dual-Process Theory	Enneagram of Personality Traits	0.0000	ő	Ye
Dual-Process Theory	Erikson's Psychosocial Stages	0.0000	ő	Ye
Dual-Process Theory	Flow Theory	0.0000	ŏ	Ye
Dual-Process Theory	Freudian Psychoanalysis	0.0000	Õ	Ye
Dual-Process Theory	Mental Models	0.0000	O	Ye
Dual-Process Theory	Myers-Briggs Type Indicator	2754375.0000	О	Ye
Dual-Process Theory	Social Cognitive Theory	0.0000	О	Ye
Dual-Process Theory	User Design Persona	0.0000	o	Ye
Dual-Process Theory	User-Centered Design	0.0000 2900790.0000	0	Ye Ye
Enneagram of Personality Traits Enneagram of Personality Traits	Erikson's Psychosocial Stages Flow Theory	0.0000	ő	Ye
Enneagram of Personality Traits	Freudian Psychoanalysis	0.0000	ő	Ye
Enneagram of Personality Traits	Mental Models	2855700.0000	ő	Ye
Enneagram of Personality Traits	Myers-Briggs Type Indicator	2830650.0000	Õ	Ye
Enneagram of Personality Traits Enneagram of Personality Traits	Social Cognitive Theory	0.0000	õ	Ye
Enneagram of Personality Traits	User Design Persona	0.0000	O	Ye
Enneagram of Personality Traits	User-Centered Design	2782220.0000	О	Ye
Erikson's Psychosocial Stages	Flow Theory	0.0000	О	Ye
Erikson's Psychosocial Stages	Freudian Psychoanalysis	0.0000	o	Ye
Erikson's Psychosocial Stages	Mental Models	2970270.0000	o	Ye
Erikson's Psychosocial Stages	Myers-Briggs Type Indicator	2944215.0000 0.0000	0	Ye
Erikson's Psychosocial Stages	Social Cognitive Theory User Design Persona	0.0000	ő	Ye
Erikson's Psychosocial Stages Erikson's Psychosocial Stages	User-Centered Design	2893842.0000	ő	Ye
Flow Theory	Freudian Psychoanalysis	0.0000	ŏ	Ye
Flow Theory	Mental Models	2828340.0000	Õ	Ye
Flow Theory Flow Theory	Myers-Briggs Type Indicator	2803530.0000	õ	Ye
Flow Theory	Social Cognitive Theory	2684442.0000	O	Ye
Flow Theory	User Design Persona	0.0000	O	Ye
Flow Theory	User-Centered Design	2755564.0000	o	Ye
Freudian Psychoanalysis	Mental Models	2944620.0000	O	Ye
Freudian Psychoanalysis	Myers-Briggs Type Indicator	2918790.0000	0	Ye
Freudian Psychoanalysis	Social Cognitive Theory	2794806.0000	0	Ye
Freudian Psychoanalysis	User Design Persona	0.0000 2868852.0000	0	Ye
Freudian Psychoanalysis Mental Models	User-Centered Design Myers-Briggs Type Indicator	2898450.0000	ő	Ye
Mental Models	Social Cognitive Theory	0.0000	ő	Ye
Mental Models	User Design Persona	0.0000	ŏ	Ye
Mental Models	User-Centered Design	2848860.0000	ŏ	Ye
Myers-Briggs Type Indicator	Social Cognitive Theory	0.0000	ŏ	Ye
Myers-Briggs Type Indicator	User Design Persona	0.0000	õ	Ye
Myers-Briggs Type Indicator	User-Centered Design	0.0000	O	Ye
Social Cognitive Theory	User Design Persona	0.0000	o	Ye
Social Cognitive Theory	User-Centered Design	2703918.0000	o	Ye
User Design Persona	User-Centered Design	2857190.0000	O	Ye

PAIRWISE WEIGHTED MANN-WHITNEY COMPARISONS OF DESCRIPTION FRAMEWORKS FOR SOCIAL IQA (FINAL DECISION MAKER).

Framework 1	Framework 2	MW-stat	p-value	Sig
Big Five Personality Traits	Cognitive Behavioral Theory	0.0000	0	Yes
Big Five Personality Traits	Cognitive Load Theory	402304.5000	ĩ	No
Big Five Personality Traits	Dual-Process Theory	0.0000	O	Yes
Big Five Personality Traits	Enneagram of Personality Traits	0.0000	O	Yes
Big Five Personality Traits Big Five Personality Traits	Erikson's Psychosocial Stages	0.0000	o	Yes
Big Five Personality Traits	Flow Theory	0.0000	o	Yes
Big Five Personality Traits	Freudian Psychoanalysis	0.0000	0	Yes
Big Five Personality Traits	Mental Models Myore Briggs Type Indicator	0.0000 0.0000	0	Ye:
Big Five Personality Traits Big Five Personality Traits	Myers-Briggs Type Indicator Social Cognitive Theory	0.0000	ő	Yes
Big Five Personality Traits	User Design Persona	0.0000	ŏ	Yes
Big Five Personality Traits	User-Centered Design	0.0000	O	Ye
Cognitive Behavioral Theory	Cognitive Load Theory	804609.0000	O	Ye
Cognitive Behavioral Theory	Dual-Process Theory	804609.0000	O	Ye
Cognitive Behavioral Theory	Enneagram of Personality Traits	804609.0000	o	Ye
Cognitive Behavioral Theory	Erikson's Psychosocial Stages	804609.0000	o	Yes
Cognitive Behavioral Theory	Flow Theory	804609.0000	o	Yes
Cognitive Behavioral Theory	Freudian Psychoanalysis	804609.0000	0	Yes
Cognitive Behavioral Theory	Mental Models Myore Priggs Type Indicator	804609.0000 804609.0000	0	Ye:
Cognitive Behavioral Theory Cognitive Behavioral Theory	Myers-Briggs Type Indicator Social Cognitive Theory	402304.5000	1	No
Cognitive Behavioral Theory	User Design Persona	804609.0000	ó	Yes
Cognitive Behavioral Theory	User-Centered Design	804609.0000	Õ	Yes
Cognitive Load Theory	Dual-Process Theory	0.0000	O	Ye
Cognitive Load Theory	Enneagram of Personality Traits	0.0000	O	Yes
Cognitive Load Theory	Erikson's Psychosocial Stages	0.0000	О	Ye
Cognitive Load Theory	Flow Theory	0.0000	o	Ye
Cognitive Load Theory	Freudian Psychoanalysis	0.0000	o	Ye:
Cognitive Load Theory	Mental Models	0.0000	0	Ye:
Cognitive Load Theory	Myers-Briggs Type Indicator	0.0000	0	Ye:
Cognitive Load Theory Cognitive Load Theory	Social Cognitive Theory User Design Persona	0.0000	ő	Yes
Cognitive Load Theory	User-Centered Design	0.0000	ő	Ye
Dual-Process Theory	Enneagram of Personality Traits	0.0000	õ	Yes
Dual-Process Theory	Erikson's Psychosocial Stages	804609.0000	O	Ye
Dual-Process Theory	Flow Theory	0.0000	O	Yes
Dual-Process Theory	Freudian Psychoanalysis	0.0000	О	Yes
Dual-Process Theory	Mental Models	0.0000	o	Ye
Dual-Process Theory	Myers-Briggs Type Indicator	0.0000	o	Yes
Dual-Process Theory	Social Cognitive Theory	0.0000	o	Yes
Dual-Process Theory Dual-Process Theory	User Design Persona User-Centered Design	804609.0000 0.0000	0	Ye:
Enneagram of Personality Traits	Erikson's Psychosocial Stages	804609.0000	ő	Yes
Enneagram of Personality Traits	Flow Theory	804609.0000	ŏ	Ye
Enneagram of Personality Traits	Freudian Psychoanalysis	804609.0000	O	Yes
Enneagram of Personality Traits	Mental Models	804609.0000	O	Yes
Enneagram of Personality Traits Enneagram of Personality Traits	Myers-Briggs Type Indicator	0.0000	O	Yes
Enneagram of Personality Traits	Social Cognitive Theory	0.0000	О	Yes
Enneagram of Personality Traits	User Design Persona	804609.0000	o	Yes
Enneagram of Personality Traits	User-Centered Design	0.0000	o	Ye:
Erikson's Psychosocial Stages	Flow Theory	0.0000	0	Ye:
Erikson's Psychosocial Stages Erikson's Psychosocial Stages	Freudian Psychoanalysis Mental Models	0.0000	0	Ye:
Erikson's Psychosocial Stages	Myers-Briggs Type Indicator	0.0000	ő	Ye
Erikson's Psychosocial Stages	Social Cognitive Theory	0.0000	ŏ	Ye
Erikson's Psychosocial Stages	User Design Persona	0.0000	ŏ	Ye
Erikson's Psychosocial Stages	User-Centered Design	0.0000	ŏ	Ye
Flow Theory Flow Theory	Freudian Psychoanalysis	804609.0000	O	Ye
Flow Theory	Mental Models	804609.0000	О	Ye
Flow Theory	Myers-Briggs Type Indicator	0.0000	o	Ye
Flow Theory	Social Cognitive Theory	0.0000	O	Ye
Flow Theory Flow Theory	User Design Persona	804609.0000	0	Ye
Flow Theory	User-Centered Design Mental Models	0.0000	0	Ye Ye
Freudian Psychoanalysis Freudian Psychoanalysis		0.0000	ő	Ye
Freudian Psychoanalysis	Myers-Briggs Type Indicator Social Cognitive Theory	0.0000	ő	Ye
Freudian Psychoanalysis	User Design Persona	804609.0000	ŏ	Ye
Freudian Psychoanalysis	User-Centered Design	0.0000	ŏ	Ye
Mental Models	Myers-Briggs Type Indicator	0.0000	O	Ye
Mental Models	Social Cognitive Theory	0.0000	O	Ye
Mental Models	User Design Persona	804609.0000	o	Ye
Mental Models	User-Centered Design	0.0000	O	Ye
Myers-Briggs Type Indicator	Social Cognitive Theory	0.0000	O	Ye
Myers-Briggs Type Indicator Myers-Briggs Type Indicator	User Design Persona	804609.0000	0	Ye:
Myers-Briggs Type Indicator	User-Centered Design	0.0000	0	Ye
Social Cognitive Theory	User Design Persona	804609.0000 804609.0000	0	Ye:
Social Cognitive Theory	User-Centered Design	0.0000	0	Yes
User Design Persona	User-Centered Design	0.0000	U	168

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