Supplementary Materials

Toward a Polyvocal Semantic Infrastructure for Tabletop Role-Playing Game Research: A Scoping Review of Multimedia Play Data

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S1. Preliminary Search Strategy

The exploratory searches reported in this file were conducted before formal retrieval to test keyword performance, identify false positives, and refine exclusion terms. These searches were not used to determine the final corpus counts. Rather, they informed the construction of the formal search strategy reported in the main search-strategy documentation.

The preliminary search was conducted on April 30, 2026, and produced a total of 411 exploratory records across iterative query tests.

Table S16. *Preliminary exploratory searches used to refine the formal retrieval logic.*

Query	Results	Time
("tabletop role-playing" OR "TTRPG" OR "analog games" OR "TRPG" OR "live-action role-playing" OR "LARP") AND ("analysis" OR "analytical" OR "computational" OR "multimodal" OR "multimedia" OR "video analysis" OR "discourse analysis" OR "transcript" OR "annotation" OR "ontology" OR "knowledge graph" OR "natural language processing" OR "NLP" OR "machine learning" OR "data mining" OR "visualization" OR "coding scheme" OR "qualitative analysis" OR "mixed methods" OR "semiotic")	210	9:45:49
("tabletop role-playing" OR "TTRPG" OR "analog games" OR "TRPG" OR "live-action role-playing" OR "LARP") AND ("analysis" OR "analytical" OR "computational" OR "multimodal" OR "multimedia" OR "video analysis" OR "discourse analysis" OR "transcript" OR "annotation" OR "ontology" OR "knowledge graph" OR "natural language processing" OR "NLP" OR "machine learning" OR "data mining" OR "visualization" OR "coding scheme" OR "qualitative analysis" OR "mixed methods" OR "semiotic") NOT (proteins) NOT ("Ligand-Assisted Reprecipitation Technique") NOT (Gene) NOT (transtricuspid) NOT ("tricuspid regurgitation peak gradient") NOT ("LARP/UFSM") NOT ("laparoscopic anorectoplasty")	106	9:50:45
("tabletop role-playing" OR "TTRPG" OR "analog games" OR "TRPG" OR "live-action role-playing" OR "LARP") AND ("analysis" OR "analytical" OR "computational" OR "multimodal" OR "multimedia" OR "video analysis" OR "discourse analysis" OR "transcript" OR "annotation" OR "ontology" OR "knowledge graph" OR "natural language processing" OR "NLP" OR "machine learning" OR "data mining" OR "visualization" OR "coding scheme" OR "qualitative analysis" OR "mixed methods" OR "semiotic") NOT (proteins) NOT ("Ligand-Assisted Reprecipitation Technique") NOT (Gene) NOT (transtricuspid) NOT ("tricuspid regurgitation peak gradient") NOT ("LARP/UFSM") NOT ("laparoscopic anorectoplasty")	47	9:59:10
("tabletop role-playing game*" OR "tabletop roleplaying game*" OR TTRPG OR "dungeons and dragons") "tabletop role playing game*"[All Fields] OR "tabletop roleplaying game*"[All Fields] OR "TTRPG"[All Fields] OR "dungeons and dragons"[All Fields]	21	10:08:31

("tabletop role-playing game*"[All Fields] OR "tabletop roleplaying game*"[All Fields] OR "tabletop role playing game*"[All Fields] OR "TTRPG"[All Fields] OR "TRPG"[All Fields] OR "Dungeons and Dragons"[All Fields] OR "Dungeons & Dragons"[All Fields] OR "live-action role-playing"[All Fields] OR "LARP"[All Fields]) AND ("multimodal analysis"[All Fields] OR "multimedia analysis"[All Fields] OR "video analysis"[All Fields] OR "audio analysis"[All Fields] OR "audiovisual analysis"[All Fields] OR "discourse analysis"[All Fields] OR "conversation analysis"[All Fields] OR "narrative analysis"[All Fields] OR "content analysis"[All Fields] OR "thematic analysis"[All Fields] OR "semiotic analysis"[All Fields] OR "transcript analysis"[All Fields] OR "video annotation"[All Fields] OR "audio annotation"[All Fields] OR "multimodal annotation"[All Fields] OR "coding scheme"[All Fields] OR "qualitative coding"[All Fields] OR "session recording"[All Fields] OR "actual play"[All Fields] OR "digital play"[All Fields] OR "chat log"[All Fields] OR "knowledge graph"[All Fields] OR "ontology"[All Fields] OR "natural language processing"[All Fields] OR "NLP"[All Fields] OR "machine learning"[All Fields] OR "data mining"[All Fields] OR "visualization"[All Fields]) NOT proteins[All Fields] NOT "Ligand-Assisted Reprecipitation Technique"[All Fields] NOT Gene[All Fields] NOT transtricuspid[All Fields] NOT "tricuspid regurgitation peak gradient"[All Fields] NOT "LARP/UFSM"[All Fields] NOT "laparoscopic anorectoplasty"[All Fields] NOT "Ligand-Assisted"[All Fields]	4	10:02:53
("tabletop role-playing game"[Title/Abstract] OR "tabletop role-playing games"[Title/Abstract] OR "tabletop roleplaying game"[Title/Abstract] OR "tabletop roleplaying games"[Title/Abstract] OR "tabletop role playing game"[Title/Abstract] OR "tabletop role playing games"[Title/Abstract] OR "TTRPG"[Title/Abstract] OR "TTRPGs"[Title/Abstract] OR ("TRPG"[Title/Abstract] AND ("tabletop"[Title/Abstract] OR "role-playing"[Title/Abstract] OR "role playing"[Title/Abstract])) OR ("Dungeons and Dragons"[Title/Abstract] OR "Dungeons & Dragons"[Title/Abstract]) OR ("LARP"[Title/Abstract] AND ("role-playing"[Title/Abstract] OR "role playing"[Title/Abstract] OR "game"[Title/Abstract] OR "games"[Title/Abstract])) OR "live-action role-playing"[Title/Abstract] OR "live action role-playing"[Title/Abstract] OR "live-action role playing"[Title/Abstract] OR "live action role playing"[Title/Abstract])	23	10:05:59