A Review of Optimizing Cross-Domain Ranking Algorithms for Maximum Information Retrieval Efficiency

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Abstract: *The exponential growth of heterogeneous digital data across domains such as healthcare, e-commerce, education, and social platforms has created a demand for more efficient information retrieval (IR) models. Cross-domain ranking algorithms aim to retrieve relevant information by learning relationships between sources of varying context. This review explores foundational IR algorithms, emerging neural and machine-learning ranking systems, performance metrics, and optimization techniques. Challenges, research gaps, and future directions are also discussed.*

Keywords*: Optimizing Information Retrieval, Cross-Domain Ranking, Ranking Algorithms*