Topic name: "Semantic Search: How Machines Understand the Meaning of Queries and Content."

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Semantic search, a key technology in information retrieval, faces challenges in understanding the true intentions behind user queries. While traditional keyword-based search systems have their limitations, semantic search aims to comprehend the context and semantics of user queries, thereby enhancing search accuracy.

One of the key problems is resolving the ambiguity of user intentions. The same query can have multiple meanings, making it difficult for semantic search systems to provide precise results. Manning and Schütze's research (2009) underscores the importance of disambiguating word meanings in addressing this issue.

Furthermore, semantic search must grapple with the dynamic nature of language and evolving context. Navigating these complexities remains an active area of research (Liu et al., 2017).

In conclusion, despite its immense potential, semantic search requires solutions to these problems for the full realization of its capabilities.

**Reference:**

1. Manning & Schütze (2009) - They emphasize the importance of resolving word ambiguity in semantic search.

2. Liu et al. (2017) - Their work describes dynamic aspects of semantic search.

3. Harris (2015) - Discusses the need for context-aware search systems.