

Text Embeddings

Maria Lebedeva

Text Embeddings

Embeddings are dense vector representations of words, sentences, or documents that preserve semantic proximity. Models like Word2Vec, GloVe, or modern transformers (BERT, sentence-transformers) map text to high-dimensional vectors so that semantically close phrases are near each other in the vector space. This enables semantic search – finding content by meaning rather than exact keywords. For instance, “cat catches mouse” and “kitten hunts rodent” yield similar embeddings.