

▼ Day - 1

Large Language Models

How do Large Language Model Learns Knowledge

1. Through Model Training or Fine Tuning
2. Through Model Inputs [Insert Knowledge or context into the input]

Fine Tuning is usually better to teach a model specialized tasks.

Passing context as model inputs improve factual recall.

▼ How does Vector search Works

Vector search strategies

1. Exact Search [Brute force search]
 - K-Nearest neighbors [KNN]
2. Approximate Nearest Neighbors [ANN]
 - Tree-Based : ANNOY
 - Proximity graphs : HNSW
 - Clustering : FAISS
 - Hashing : LSH
 - Vector Compression : SCANN

▼ How to measure if 2 Vectors are Similar

Distance Metrics :

L1[Manhattan] ,

L2[Euclidean]

The Higher the metrics , the less Similar

Similarity Metrics : Cosine Similarity

The Higher the metric, The more similar

— —

