

Embeddings

["cat, dog, kitten, puppy"]

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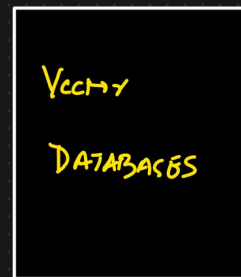
Embeddings

Cat



SQL

Cat



Text \rightarrow []

Apple \rightarrow [0.2, 0.3, 0.5]

\downarrow

Vector representation

Result: [cat]

Find Similar Meanings

results = {cat, kitten}

Exact Matches.

Embedding Models \rightarrow Huge Amount Data.

\downarrow

Vector Representation.

OpenAI,
Huggingface

Cat, kitten

[0.2, 0.3, 0.4]

[0.2, 0.4, 0.3]

\Rightarrow Cosine Similarity

Feature Representation

Marvel

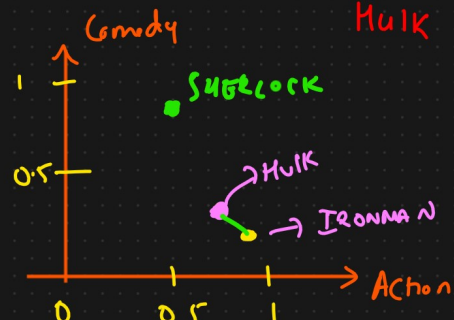
	Action	Comedy	Suspense
A Iron Man	[0.95]	0.2	0.6
B Hulk	[0.96]	0.4	0.7
C Sherlock Holmes	[0.6]	0.75	0.9

Netflix

Ironman

\downarrow

Hulk



$$\text{Cosine Similarity} = \frac{A \cdot B}{\|A\| \|B\|}$$

Embedding Model

[OpenAI, Huggingface]

