Text Embeddings Semantic Similarity Search/Query [0.2583, 0.4592,...] **Embedding** [0.8377, 0.2319,...] Long text Semantic Clustering [0.4392, 0.8831... LLM [0.3387, 0.5489,...] content... Semantic Anomaly Detection These numbers Large Language Model calculates the represent what the vector embeddings long text *means*... Recommendation **Engines** Once calculated, those meaningful numbers can be used for various Sentiment Analysis downstream processes

Vector Embedding = Text converted to *meaningful numbers* for *downstream processes*...

Text Embeddings Seman' & Sin ilarity Search/Cyery Long text Semanti Custering content... Seman' c And maly De ectiv ...we can't Without an embedding generate these model... meaningful numbers... Rec name adation ...and we can't do any of this analysis or processing. Sentiment Analysis

Vector Embedding = Text converted to *meaningful numbers* for *downstream processes*...