

Generative Text Model

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Definition:

Generative text model (GPT) systems can create new text by learning from large amounts of written data, predict the next word in a sentence, and generate human-like responses.

Generative Text Model - Step by Step:

1. Collect Data
2. Tokenize Text
3. Choose a model
4. Train the model
5. Fine-tune (Optional)
6. Generate text

Collect Data:

Gather large amount of text (books, websites, etc.)

Tokenize Text:

Break the text into small parts (words or Sub words)

Choose a model:

Use a model (like a transformer) (Especially for text generation)

Train the model:

Teach the model to predict the next word in a sentence.

Fine-tune (Optional):

Improve the model with specific or high-quality data.

Generate text:

Give the model a prompt, it writes actual response.