

[Show Transcript](#)[Summarize Video](#)

Generation algorithms are incredible tools that allow AI to create text and images that seem amazingly human-like. By understanding and applying these smart algorithms, AI can generate new content by building upon what it knows, just like filling in missing puzzle pieces.

Technical Terms Explained:

Autoregressive text generation: Autoregressive text generation is like a game where the computer guesses the next word in a sentence based on the words that came before it. It keeps doing this to make full sentences.

Latent space decoding: Imagine if you had a map of all the possible images you could create, with each point on the map being a different image. Latent space decoding is like picking a point on that map and bringing the image at that point to life.

Diffusion models: Diffusion models start with a picture that's full of random dots like TV static, and then they slowly clean it up, adding bits of the actual picture until it looks just like a real photo or painting.

Quiz Question

Which AI model uses latent space decoding to generate images?

- Reinforcement Learning Model
- Decision Tree
- Feedforward Neural Network

