

The MotivationVidGen Paper

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The Model:

The model is a GPT-2 LLM from HuggingFace Transformers. It will be pretrained to make the training time be faster. The model will take a list of words that describes the motivation quote as an input X, and return the motivation quote based on X. example of x – [Strong, Nice, Cool, etc.]

The Training loop:

The training loop will take X as input, then we will do the typical training loop (fine tuning) with HuggingFace or with native Pytorch.

The Video Generator:

First it will generate a new quote with a random X from the chosen Word List for the Gen. Then it will choose which background (photos/videos) it should use (the background will be chosen randomly). Then it will use the regular voice for the videos to tell the generated quote, it will add captions with a cool font, and it will also add a cool music in the background.

The Photo Generator:

First it will generate a new quote with a random X from the chosen Word List for the Gen. Then it will choose which background (photos) it should use (the background will be chosen randomly). Then it will add the text (generated quote) with a cool font.