**The Quotes Paper**

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**Overview of the project:**

Quote is an IOS app thatuses AI to generate motivational quotes to uplift and motivate users on a daily basis, spreading positivity across the world. The goal of the project is to inspire people with positive and uplifting quotes that are personalized on the app.

**The Model:**

The model: “Google flan-t5-base” from HuggingFace Transformers, We will use it as pretrained to make the training faster and more accurate.

The model will take a list of adjectives that describes the motivational quote (we will call it “X “, example of “X” – Strong, Nice, Cool, etc.) and returns the quote that is best suitable for that “X”.

The training loop will take “X” as input and will check if the model output is close to the original quote, we will use HuggingFace Seq2SeqTrainer and Seq2SeqTrainingArguments for the training loop (fine tuning).

**The Data:**

The Dataset is “Goodreads Quotes” from Kaggle as CSV. We use load\_dataset function from HuggingFace Datasets to load the dataset. Then we split the dataset into Train and Test using train\_test\_split function from HuggingFace Datasets with test\_size=0.2. Then we map the dataset with a process function, batched=True and remove\_columns=["Index ", "Quote", “Tags”].