MultiModal-Training

This model is the concatenation of the Text modal, i.e. Bert-base-cased and Image modal BeIT from Microsoft. The initial four epochs of the training were nice as validation and training losses decreased, but losses started increasing in the next ten epochs.

Samarth Garg

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the image the same and asking different questions doesn't change the output probability much. This implies multimodal is weighing the text modal less than the image modal.

Another interesting thing is the gradients' distribution, which suggests they might be prone to vanishing gradients issues.

Although the training dataset was huge and the loss kept on decreasing, it could either be due to overfitting, or it could be improving.

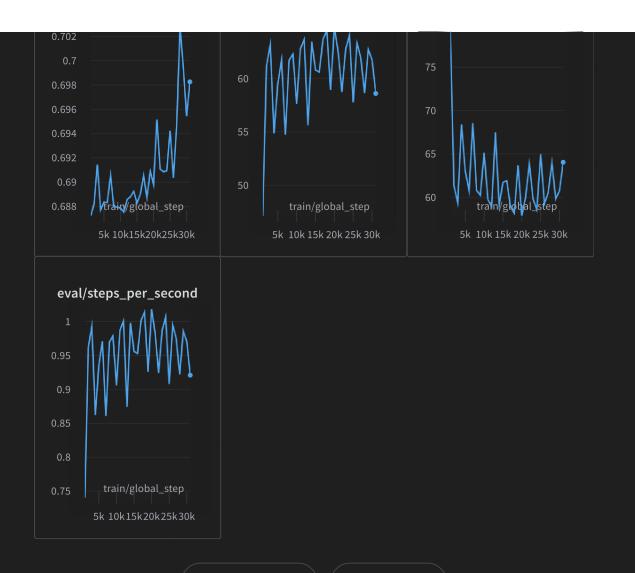
▼ Improvements

I suggest increasing the validation size and training for 10-15 more epochs.

If overfitting is not the issue, we can introduce more complexity in a model, like adding an LSTM layer.

Validation

eval/loss	eval/samples_per_second	eval/runtime



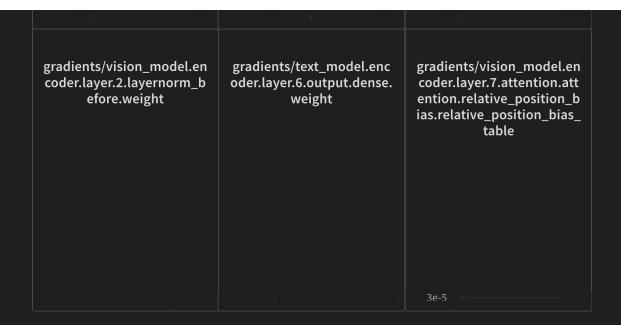
Import panel

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▼ Gradients

gradients/text_model.enc	gradients/vision_model.en	gradients/vision_model.en
oder.layer.9.attention.self.	coder.layer.8.layernorm_b	coder.layer.7.attention.att
value.weight	efore.weight	ention.query.bias



Import panel

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▼ Training

