**With pca\_features=True**

<https://drive.google.com/file/d/1ziZiHZUZGo-GGEAf5T89r8xwm0HXjCuH/view?usp=sharing>

**RNN**

Average BLEU score for train: 0.159658

Average BLEU score for val: 0.164634

<https://drive.google.com/file/d/1xoQI6fqfMS7YmjiD8gqAs2wmvW3DLeEw/view?usp=sharing>

**LSTM**

Average BLEU score for train: 0.166950

Average BLEU score for val: 0.176597 ( a bit better)

<https://drive.google.com/file/d/1ZZnP1I5K-IzbwEH4Pf2zJ_EHacZSroZG/view?usp=sharing>

**Transformer**

Average BLEU score for train: 0.992828

Average BLEU score for val: 0.213360 (amazing)

200 Epoch used

Training score looks amazingly great...

I also somehow suspect it is misleading due to minor difference in the loss function used.

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With pca\_features=False (using original features)

I couldnt run this due to problem with dimentions.