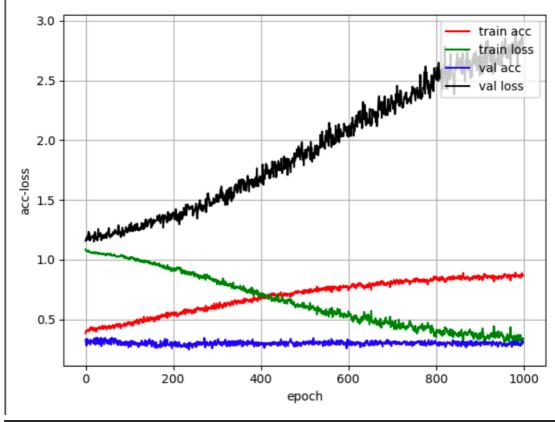
《Context-Dependent Sentiment Analysis in User-Generated Videos》论文

讨论纯音频的情感分析

原文 model 和 accuracy

(62, 63, 100)			
Layer (type)	Output	Shape	Param #
input_1 (InputLayer)	(None,	63, 100)	0
masking_1 (Masking)	(None,	63, 100)	0
bidirectional_1 (Bidirection	(None,	63, 600)	962400
dropout_1 (Dropout)	(None,	63, 600)	0
<pre>time_distributed_1 (TimeDist</pre>	(None,	63, 500)	300500
dropout_2 (Dropout)	(None,	63, 500)	0
time_distributed_2 (TimeDist	(None,	63, 2)	1002
Total params: 1,263,902 Trainable params: 1,263,902 Non-trainable params: 0			
Train on 49 samples, validate	on 13	samples	

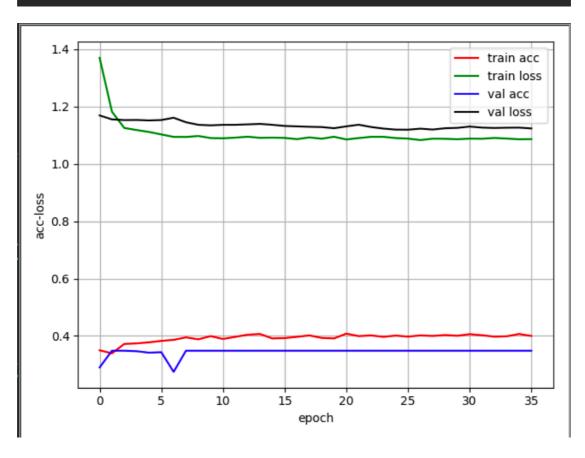
```
model = Sequential()
model.add(Bidirectional(LSTM(units=128, dropout=0.05, recurrent_dropout=0.35, return_sequences=True), input_shape=input
model.add(Bidirectional(LSTM(units=32, dropout=0.05, recurrent_dropout=0.35, return_sequences=False)))
model.add(Dense(units=features.train_Y.shape[1], activation='softmax'))
```



出现了过拟合,采用 dropout 和 EarlyStopping 改进模型

Layer (type)	Output	Sha	 pe	Param #
input_1 (InputLayer)	====== (None,	10,	======================================	======= 0
masking_1 (Masking)	(None,	10,	204)	0
<pre>bidirectional_1 (Bidirection</pre>	(None,	10,	600)	1212000
dropout_1 (Dropout)	(None,	10,	600)	0
<pre>time_distributed_1 (TimeDist</pre>	(None,	10,	500)	300500
bidirectional_2 (Bidirection	(None,	64)		136448
dropout_2 (Dropout)	(None,	64)		0
dense_2 (Dense)	(None,	3)		195 =======
T : 1 4 C40 440				

Total params: 1,649,143 Trainable params: 1,649,143 Non-trainable params: 0



但准确率仍然一直没有提高,猜想是 MOSI 数据集数据预处理的问题,但原文中并未详细给出数据处理的过程,所以实验进程遭遇了瓶颈。。。