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In [4]: runfile('C:/Users/Lenovo/Desktop/ShEMO_Train_Phase.py', wdir='C:/Users/Lenovo/
Desktop')
Hello to Final project in degital speech processing ! ( Simchi and Yazdani )
Writing shEMO data set to file...
Extracting features 1/60 from data set...
Extracting features 2/60 from data set...
Extracting features 3/60 from data set...
Extracting features 4/60 from data set...
Extracting features 5/60 from data set...
Extracting features 6/60 from data set...
Extracting features 7/60 from data set...
Extracting features 8/60 from data set...
Extracting features 9/60 from data set...
Extracting features 10/60 from data set...
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Extracting features 44/60 from data set...
Extracting features 45/60 from data set...
Extracting features 46/60 from data set...
Extracting features 47/60 from data set...
Extracting features 48/60 from data set...
Extracting features 49/60 from data set...
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Extracting features 50/60 from data set... Extracting features 51/60 from data set... Extracting features 52/60 from data set... Extracting features 53/60 from data set... Extracting features 54/60 from data set... Extracting features 55/60 from data set... Extracting features 56/60 from data set... Extracting features 57/60 from data set... Extracting features 58/60 from data set... Extracting features 59/60 from data set... Extracting features 59/60 from data set... Extracting features 60/60 from data set...
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		=========	Connected to
(None,	1024, 36)	0	
(None,	1024, 36)	0	input_4[0][0]
(None,	1024, 512)	18944	masking_2[0][0]
(None,	1024, 512)	0	dense_6[0][0]
(None,	1024, 512)	262656	dropout_3[0][0]
(None,	256)	0	
(None,	1024, 512)	0	dense_7[0][0]
(None,	256)	65792	input_3[0][0]
(None,	1024, 256)	656384	dropout_4[0][0]
(None,	1024)	0	dense_5[0][0] bidirectional_2[0][0]
(None,	1024)	0	dot_3[0][0]
(None,	256)	0	activation_2[0][0] bidirectional_2[0][0]
	(None,	(None, 1024, 36) (None, 1024, 36) (None, 1024, 512) (None, 1024, 512) (None, 1024, 512) (None, 256) (None, 256) (None, 1024, 256) (None, 1024) (None, 1024) (None, 1024)	(None, 1024, 36) 0 (None, 1024, 512) 18944 (None, 1024, 512) 0 (None, 1024, 512) 262656 (None, 256) 0 (None, 1024, 512) 0 (None, 256) 65792 (None, 1024, 256) 656384 (None, 1024) 0

dense 8 (Dense) (None, 2) 514 dot 4[0][0]

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Total params: 1,004,290 Trainable params: 1,004,290 Non-trainable params: 0

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Train on 42 samples, validate on 18 samples
Epoch 1/200
 - 19s - loss: 0.6871 - acc: 0.5000 - val_loss: 0.7391 - val_acc: 0.5000
Epoch 00001: val acc improved from -inf to 0.50000, saving model to
weights_blstm_hyperas.h5
Epoch 2/200
 - 8s - loss: 0.7050 - acc: 0.5476 - val loss: 0.6993 - val acc: 0.6111
Epoch 00002: val acc improved from 0.50000 to 0.61111, saving model to
weights_blstm_hyperas.h5
Epoch 3/200
 - 9s - loss: 0.7067 - acc: 0.4762 - val loss: 0.7280 - val acc: 0.3333
Epoch 00003: val_acc did not improve from 0.61111
Epoch 4/200
 - 8s - loss: 0.6932 - acc: 0.6190 - val_loss: 0.7144 - val_acc: 0.3333
Epoch 00004: val acc did not improve from 0.61111
Epoch 5/200
 - 9s - loss: 0.6490 - acc: 0.5952 - val_loss: 0.7225 - val_acc: 0.6111
Epoch 00005: val acc did not improve from 0.61111
Epoch 6/200
 - 8s - loss: 0.6537 - acc: 0.5952 - val_loss: 0.7727 - val_acc: 0.5556
Epoch 00006: val_acc did not improve from 0.61111
Epoch 7/200
 - 9s - loss: 0.6696 - acc: 0.6190 - val loss: 0.7811 - val acc: 0.5556
Epoch 00007: val_acc did not improve from 0.61111
Epoch 8/200
 - 9s - loss: 0.6808 - acc: 0.6190 - val_loss: 0.7510 - val_acc: 0.6111
Epoch 00008: val acc did not improve from 0.61111
Epoch 9/200
 - 8s - loss: 0.6539 - acc: 0.6429 - val_loss: 0.7312 - val_acc: 0.6111
Epoch 00009: val_acc did not improve from 0.61111
Epoch 10/200
 - 9s - loss: 0.6644 - acc: 0.5952 - val loss: 0.7336 - val acc: 0.6111
Epoch 00010: val acc did not improve from 0.61111
Epoch 11/200
 - 8s - loss: 0.6515 - acc: 0.7143 - val_loss: 0.7358 - val_acc: 0.6111
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Epoch 00011: val acc did not improve from 0.61111
Epoch 12/200
 - 8s - loss: 0.6412 - acc: 0.6190 - val_loss: 0.7481 - val_acc: 0.6111
Epoch 00012: val acc did not improve from 0.61111
Epoch 13/200
 - 8s - loss: 0.6439 - acc: 0.5714 - val loss: 0.7702 - val acc: 0.6111
Epoch 00013: val_acc did not improve from 0.61111
Epoch 14/200
 - 8s - loss: 0.6489 - acc: 0.6190 - val loss: 0.7837 - val acc: 0.6111
Epoch 00014: val acc did not improve from 0.61111
Epoch 15/200
 - 8s - loss: 0.6399 - acc: 0.6429 - val_loss: 0.7805 - val_acc: 0.6111
Epoch 00015: val acc did not improve from 0.61111
Epoch 16/200
 - 10s - loss: 0.6596 - acc: 0.6190 - val_loss: 0.7687 - val_acc: 0.6667
Epoch 00016: val_acc improved from 0.61111 to 0.66667, saving model to
weights blstm hyperas.h5
Epoch 17/200
 - 7s - loss: 0.6279 - acc: 0.7143 - val loss: 0.7541 - val acc: 0.6111
Epoch 00017: val_acc did not improve from 0.66667
Epoch 18/200
 - 8s - loss: 0.6541 - acc: 0.6667 - val loss: 0.7409 - val acc: 0.6111
Epoch 00018: val acc did not improve from 0.66667
Epoch 19/200
 - 8s - loss: 0.6510 - acc: 0.5714 - val_loss: 0.7447 - val_acc: 0.6111
Epoch 00019: val acc did not improve from 0.66667
Epoch 20/200
 - 9s - loss: 0.6293 - acc: 0.6905 - val_loss: 0.7534 - val_acc: 0.6667
Epoch 00020: val acc did not improve from 0.66667
Epoch 21/200
 - 8s - loss: 0.6409 - acc: 0.7143 - val loss: 0.7648 - val acc: 0.6111
Epoch 00021: val_acc did not improve from 0.66667
Epoch 22/200
 - 9s - loss: 0.6958 - acc: 0.6190 - val loss: 0.7866 - val acc: 0.6111
Epoch 00022: val acc did not improve from 0.66667
Epoch 00022: early stopping
18/18 [======== ] - 1s 49ms/step
Final validation accuracy: 0.6111111044883728
the result is:{'accuracy': 0.6111111044883728, 'model': <keras.engine.training.Model
object at 0x000001E33F3DB608>}
Evaluate models:
No training data found
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