

Colocations handled automatically by placer.
 2019-04-21 18:02:25 WARNING tensorflow - From
 /mnt/seagate-3tb/Projects-virtualenv-3.6/lib/python3.6/site-packages/
 tensorflow/python/ops/resource_variable_ops.py:435: colocate_with
 (from tensorflow.python.framework.ops) is deprecated and will be
 removed in a future version.
 Instructions for updating:
 Colocations handled automatically by placer.
 WARNING:tensorflow:From /mnt/seagate-3tb/Projects-virtualenv-3.6/lib/
 python3.6/site-packages/tensorflow/python/keras/backend.py:4010:
 calling dropout (from tensorflow.python.ops.nn_ops) with keep_prob is
 deprecated and will be removed in a future version.
 Instructions for updating:
 Please use `rate` instead of `keep_prob`. Rate should be set to `rate
 = 1 - keep_prob`.
 2019-04-21 18:02:25 WARNING tensorflow - From
 /mnt/seagate-3tb/Projects-virtualenv-3.6/lib/python3.6/site-packages/
 tensorflow/python/keras/backend.py:4010: calling dropout (from
 tensorflow.python.ops.nn_ops) with keep_prob is deprecated and will
 be removed in a future version.
 Instructions for updating:
 Please use `rate` instead of `keep_prob`. Rate should be set to `rate
 = 1 - keep_prob`.

Layer (type)	Output Shape	Param #
masking (Masking)	(None, 6, 273)	0
lstm (LSTM)	(None, 32)	39168
dense (Dense)	(None, 169)	5577
activation (Activation)	(None, 169)	0

Total params: 44,745
 Trainable params: 44,745
 Non-trainable params: 0

2019-04-21 18:02:26 DEBUG rasa_core.policies.keras_policy - None
 2019-04-21 18:02:26 INFO rasa_core.policies.keras_policy -
 Fitting model with 187291 total samples and a validation split of 0.1
 2019-04-21 18:02:26 DEBUG rasa_core.policies.policy - Parameters
 ignored by `model.fit(...)`: {}
 WARNING:tensorflow:From /mnt/seagate-3tb/Projects-virtualenv-3.6/lib/
 python3.6/site-packages/tensorflow/python/ops/math_ops.py:3066:
 to_int32 (from tensorflow.python.ops.math_ops) is deprecated and will
 be removed in a future version.
 Instructions for updating:

Use tf.cast instead.

2019-04-21 18:02:26 WARNING tensorflow - From
/mnt/seagate-3tb/Projects-virtualenv-3.6/lib/python3.6/site-packages/
tensorflow/python/ops/math_ops.py:3066: to_int32 (from
tensorflow.python.ops.math_ops) is deprecated and will be removed in
a future version.

Instructions for updating:

Use tf.cast instead.

Epoch 1/50

187291/187291 [=====] - 62s 329us/sample -
loss: 1.2426 - acc: 0.7127

Epoch 2/50

187291/187291 [=====] - 61s 325us/sample -
loss: 0.2355 - acc: 0.9451

Epoch 3/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.1313 - acc: 0.9668

Epoch 4/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0920 - acc: 0.9774

Epoch 5/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0725 - acc: 0.9826

Epoch 6/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0601 - acc: 0.9848

Epoch 7/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0529 - acc: 0.9862

Epoch 8/50

187291/187291 [=====] - 62s 330us/sample -
loss: 0.0487 - acc: 0.9873

Epoch 9/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0449 - acc: 0.9882

Epoch 10/50

187291/187291 [=====] - 61s 327us/sample -
loss: 0.0420 - acc: 0.9892

Epoch 11/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0400 - acc: 0.9899

Epoch 12/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0391 - acc: 0.9899

Epoch 13/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0383 - acc: 0.9899

Epoch 14/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0359 - acc: 0.9908
Epoch 15/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0354 - acc: 0.9908
Epoch 16/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0342 - acc: 0.9915
Epoch 17/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0334 - acc: 0.9917
Epoch 18/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0332 - acc: 0.9916
Epoch 19/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0330 - acc: 0.9917
Epoch 20/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0322 - acc: 0.9918
Epoch 21/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0313 - acc: 0.9919
Epoch 22/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0300 - acc: 0.9923
Epoch 23/50
187291/187291 [=====] - 61s 327us/sample -
loss: 0.0288 - acc: 0.9924
Epoch 24/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0294 - acc: 0.9923
Epoch 25/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0275 - acc: 0.9925
Epoch 26/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0277 - acc: 0.9921
Epoch 27/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0268 - acc: 0.9926
Epoch 28/50
187291/187291 [=====] - 61s 327us/sample -
loss: 0.0265 - acc: 0.9925
Epoch 29/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0272 - acc: 0.9922
Epoch 30/50

187291/187291 [=====] - 61s 326us/sample -
loss: 0.0253 - acc: 0.9930
Epoch 31/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0264 - acc: 0.9926
Epoch 32/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0243 - acc: 0.9931
Epoch 33/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0252 - acc: 0.9930
Epoch 34/50
187291/187291 [=====] - 61s 327us/sample -
loss: 0.0267 - acc: 0.9926
Epoch 35/50
187291/187291 [=====] - 61s 325us/sample -
loss: 0.0258 - acc: 0.9930
Epoch 36/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0255 - acc: 0.9927
Epoch 37/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0245 - acc: 0.9931
Epoch 38/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0245 - acc: 0.9932
Epoch 39/50
187291/187291 [=====] - 61s 327us/sample -
loss: 0.0246 - acc: 0.9931
Epoch 40/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0251 - acc: 0.9928
Epoch 41/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0234 - acc: 0.9933
Epoch 42/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0247 - acc: 0.9933
Epoch 43/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0243 - acc: 0.9932
Epoch 44/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0231 - acc: 0.9934
Epoch 45/50
187291/187291 [=====] - 61s 326us/sample -
loss: 0.0235 - acc: 0.9934
Epoch 46/50

```
187291/187291 [=====] - 61s 326us/sample -  
loss: 0.0242 - acc: 0.9932  
Epoch 47/50  
187291/187291 [=====] - 61s 326us/sample -  
loss: 0.0230 - acc: 0.9936  
Epoch 48/50  
187291/187291 [=====] - 61s 326us/sample -  
loss: 0.0241 - acc: 0.9931  
Epoch 49/50  
187291/187291 [=====] - 61s 326us/sample -  
loss: 0.0234 - acc: 0.9934  
Epoch 50/50  
187291/187291 [=====] - 61s 326us/sample -  
loss: 0.0236 - acc: 0.9936  
2019-04-21 18:53:22 INFO      rasa_core.policies.keras_policy - Done  
fitting keras policy model  
2019-04-21 18:53:22 DEBUG      rasa_core.featurizers - Creating states  
and action examples from collected trackers (by  
MaxHistoryTrackerFeaturizer(SingleStateFeaturizer))...  
Processed trackers: 100%|  
██████████████████████████████████████████████████████████████████████████| 191542/191542  
[07:39<00:00, 417.11it/s, # actions=187291]  
2019-04-21 19:01:01 DEBUG      rasa_core.featurizers - Created 187291  
action examples.  
Processed actions: 187291it [00:21, 8665.06it/s, # examples=186961]  
2019-04-21 19:01:23 DEBUG      rasa_core.policies.memoization -  
Memorized 186961 unique examples.  
2019-04-21 19:01:23 DEBUG      rasa_core.featurizers - Creating states  
and action examples from collected trackers (by  
MaxHistoryTrackerFeaturizer(SingleStateFeaturizer))...  
Processed trackers: 100%|  
██████████████████████████████████████████████████████████████████████████| 191542/191542  
[07:19<00:00, 435.72it/s, # actions=63708]  
2019-04-21 19:08:42 DEBUG      rasa_core.featurizers - Created 63708  
action examples.  
2019-04-21 19:08:43 DEBUG      rasa_core.policies.memoization -  
Memorized 1924 unique examples.  
2019-04-21 19:24:07 INFO      rasa_core.agent - Persisted model to '/  
mnt/seagate-3tb/git-public/NLP-DeepLearning-Projects/rasa-demo-  
docker/rasa-demo/models/dialogue'
```