https://github.com/multicore-it/n

REINFORCE 全元科合

3. 결과분석

https://github.com/multicore-lt/r

결과분석

om|multicore-it|r/

Model: "my model 7"

Non-trainable params: 0

```
input_states = Input(shape=(1, self.state_size), name='input_states')
input_action_matrixs = Input(shape=(1, self.action_size), name='input_action_matrixs')
input_action_probs = Input(shape=(1, self.action_size), name='input_action_probs')
input_rewards = Input(shape=(1, self.value_size), name='input_rewards')

x = (input_states)
x = Dense(self.node_num, activation='relu')(x)
out_actions = Dense(self.action_size, activation='softmax', name='output')(x)

model = self.MyModel(inputs=[input_states, input_action_matrixs, input_rewards],
```

outputs=out actions)

모델 로그

ore-it/rl

model.compile(optimizer="adam")

nttp5.113

Layer (type)	Output Shape	Param #	Connected to
input_states (InputLayer)	[(None, 1, 4)]	0	
dense_7 (Dense)	(None, 1, 12)	60	input_states[0][
input_action_matrixs (InputLaye	[(None, 1, 2)]	0	
input_rewards (InputLayer)	[(None, 1, 1)]	0	
output (Dense)	(None, 1, 2)	26	dense_7[0][0]
Total params: 86 Trainable params: 86	===========	=========	





결과분석

com/multicore-it/r/ episode:270, moving avg:88.75, rewards avg:68.4870848 REINFORCE episode:280, moving avg:99.5, rewards avg:69.44483985 episode:290, moving avg:156.4, rewards avg:74.46048109965636 episode:300, moving avg:179.75, rewards avg:76.70764119601328 episode:310, moving avg:128.95, rewards avg:77.90032154340837 episode:320, moving avg:112.25, rewards avg:78.85981308411215

episode:340, moving avg:120.75, rewards avg:81.25806451612904 episode:350, moving avg:171.9, rewards avg:85.13390313390313 episode:360, moving avg:199.8, rewards avg:87.77008310249307

episode:330, moving avg:112.85, rewards avg:79.95166163141994

episode:370, moving avg:180.25, rewards avg:90.20754716981132 episode:380, moving avg:161.25, rewards avg:91.5748031496063 episode:390, moving avg:127.15, rewards avg:92.0460358056266

episode:400, moving avg:115.75, rewards avg:92.73067331670823 episode:410, moving avg:131.75, rewards avg:93.9294403892944

episode:420, moving avg:177.2, rewards avg:96.6959619952494 episode:430, moving avg:188.3, rewards avg:98.26218097447796 episode:440, moving avg:129.9, rewards avg:98.15646258503402

episode:450, moving avg:119.9, rewards avg:99.17738359201773 episode:460, moving avg:161.8, rewards avg:100.87418655097613

episode:470, moving avg:149.95, rewards avg:101.29087048832272 episode:480, moving avg:139.4, rewards avg:102.43451143451144

episode:490, moving avg:207.3, rewards avg:105.56822810590631 INFO:tensorflow:Assets written to: ./model/reinforce\assets

*****end learing

로그분석

episode:300, moving avg:99.8, rewards avg:35.96013289036545 episode:310, moving avg:92.9, rewards avg:37.569131832797424 episode:320, moving avg:89.75, rewards avg:39.24922118380062 episode:330, moving avg:92.7, rewards avg:40.83987915407855 episode:340, moving avg:92.25, rewards avg:42.2991202346041 episode:350, moving avg:101.7, rewards avg:44.25071225071225

episode:360, moving_avg:103.2, rewards_avg:45.61772853185595 episode:370, moving avg:101.0, rewards avg:47.25606469002695 episode:380, moving avg:100.45, rewards avg:48.44356955380577

episode:390, moving avg:101.05, rewards avg:49.95652173913044 episode:400, moving avg:110.8, rewards avg:51.50374064837905

episode:410, moving avg:113.7, rewards avg:53.009732360097324 episode:420, moving_avg:119.1, rewards_avg:54.66745843230404 episode:430, moving avg:128.2, rewards avg:56.45243619489559

episode:440, moving avg:124.0, rewards avg:57.766439909297056 episode:450, moving avg:104.8, rewards avg:58.55210643015521

episode:460, moving avg:92.6, rewards avg:59.23427331887202 episode:470, moving avg:80.7, rewards avg:59.45010615711253

episode:480, moving avg:70.05, rewards avg:59.642411642411645 episode:490, moving avg:59.3, rewards avg:59.40325865580448

WARNING:tensorflow:From c:\pvthon377\lib\site-

packages\tensorflow\python\ops\resource variable ops.py:1817: calling BaseResourceVariable. init (from tensorflow.python.ops.resource variable ops)

with constraint is deprecated and will be removed in a future version. Instructions for updating:

If using Keras pass * constraint arguments to layers.

INFO:tensorflow:Assets written to: ./model/dgn\assets ****end learing

DQN





결과분석.com/multicore-it/r/ tips://github.com/





