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AttributeError: can't set attribute #4



jerryhluo opened this issue on Apr 10, 2018 · 3 comments



jerryhluo commented on Apr 10, 2018

I am using Anaconda Python 3.6 with latest Keras and other libraries. When I run
`python -m chemvae.train_vae`

It complains:

Traceback (most recent call last):

File "Anaconda3\lib\runpy.py", line 193, in `_run_module_as_main`
"main", mod_spec)

File "Anaconda3\lib\runpy.py", line 85, in `_run_code`
`exec(code, run_globals)`

File "chemical_vae\chemvae\train_vae.py", line 399, in
`main_no_prop(params)`

File "chemical_vae\chemvae\train_vae.py", line 229, in `main_no_prop`
`AE_only_model, encoder, decoder, kl_loss_var = load_models(params)`

File "chemical_vae\chemvae\train_vae.py", line 161, in `load_models`
`decoder = decoder_model(params)`

File "chemical_vae\chemvae\models.py", line 137, in `decoder_model`
`implementation=params['terminal_GRU_implementation'])(x_dec, true_seq_in)`

File "chemical_vae\chemvae\tgru_k2_gpu.py", line 86, in `init`
`self.units = units`

AttributeError: can't set attribute

I tried [keras-team/keras#7736](#)

And changed the related lines to:

try:

`self.units = units`

except AttributeError:

`self._units = units`

try:

`self.recurrent_dropout = min(1., max(0., recurrent_dropout))`

except AttributeError:

`self._recurrent_dropout = min(1., max(0., recurrent_dropout))`

Then it complains:

ValueError: Layer decoder_tgru expects 3 inputs, but it received 2 input tensors. Input received:
[<tf.Tensor 'decoder_gru2_2/transpose_1:0' shape=(?, ?, 488) dtype=float32>, <tf.Tensor
'decoder_true_seq_input_2:0' shape=(?, 120, 35) dtype=float32>]

Please help...



  **jnwei** commented on Apr 10, 2018

Collaborator

Hi, This library is only supported on Keras versions between 1.0 and 2.0.7.
Perhaps you are running a newer version of Keras?

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 **jerryhluo** commented on Apr 10, 2018

Author

Thank you!

I created a virtual environment and installed Keras 2.0.7 and made it work.

There is one minor thing to fix. Keras will still complain

File "Anaconda3\lib\site-packages\keras\backend\tensorflow_backend.py", line 323, in variable
v.constraint = constraint
AttributeError: can't set attribute

To fix it, replace v.constraint = constraint with:

try:

v.constraint = constraint

except AttributeError:

v._constraint = constraint



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  **jnwei** commented on Apr 10, 2018

Collaborator

Great, thanks for sharing the fix!

...



Assignees

No one assigned

LabelsNone yet

ProjectsNone yet

MilestoneNo milestone

2 participants