javascript python interface

NETWORK LIST INTERFACE

[<optimizer id>, <loss function id>, [layers]]

LAYER LIST INTERFACE

[<layer id>, [input shape], <input size>, [output shape], <output size>, <misc info>, <activation id> ]

input and output shape for ‘images’ will always be [<height>, <width>, <channels/filters>]

ID CONVENTIONS FOR LAYERS AND ACTIVATIONS

1: identity-

2: dense

3: conv2d

4: relu-

5: softmax-

6: maxpool

7: zero padding layer

8: batch normalization

9: avg pooling 2d

10: global avg pooling

11: prelu

12: sigmoid-

13: softplus-

14: swish-

15: softsign-

16: tanh-

ID CONVENTIONS FOR OPTIMIZERS

0: Adam

1: Nadam

2: Adadelta

3: Adagrad

4: Adamax

5: RMSprop

6: SGD

ID CONVENTIONS FOR LOSS FUNCTIONS

0: Categorical Cross Entropy

1: Absolute loss

2: Hinge loss

3: Huber loss

4: Mean squared error