



2018 Asia University AI Summer Program (Day4-July6) B: ML/DL

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Content

- Deep Learning Framework
- TensorFlow toolkits
- One hot encoding



Deep Learning Framework

Caffe



DL4J
Deeplearning4j



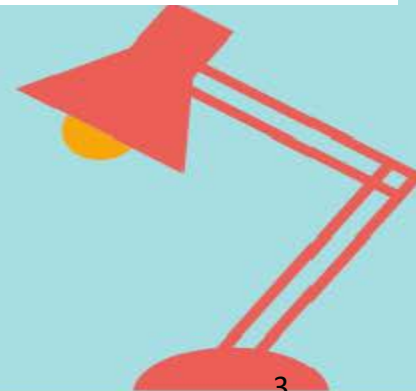
MatConvNet

MINERVA

mxnet



theano



Keras: The Python Deep Learning library

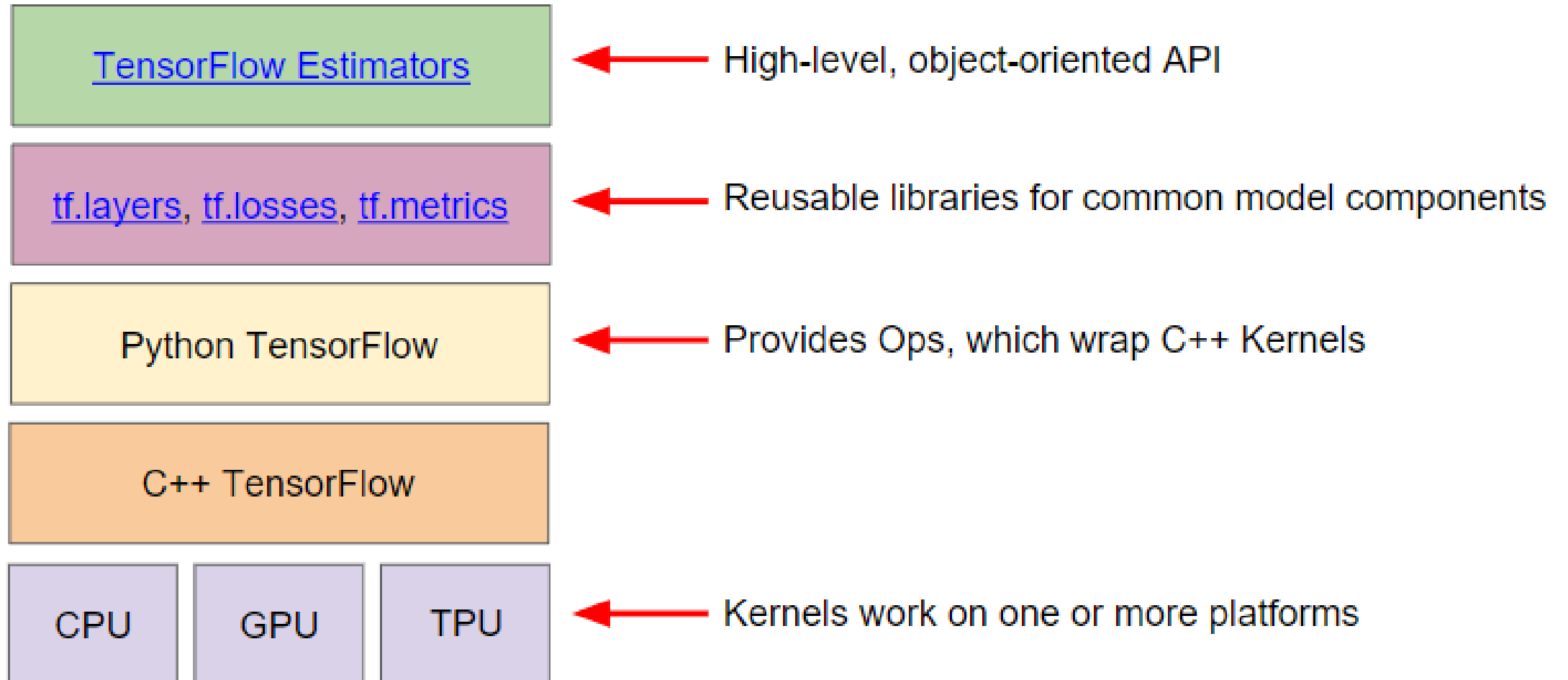
- <https://github.com/keras-team/keras>
- Keras models
 - the Sequential model
 - the Model class used with the functional API.
- keras-resnet
 - <https://github.com/raghakot/keras-resnet>



Keras

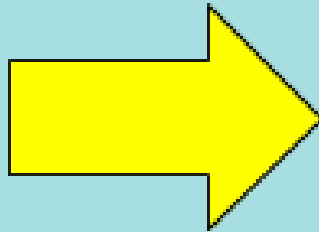


Current hierarchy of TensorFlow toolkits



One hot encoding

Color
Red
Red
Yellow
Green
Yellow



Red	Yellow	Green
1	0	0
1	0	0
0	1	0
0	0	1



Thanks!

Q&A

