06

January 23, 2024

[1]:
```
%pylab inline
import torch

# Load tensorboard to monitor traning (pip install -U tb-nightly)
%load_ext tensorboard
```

```
%pylab is deprecated, use %matplotlib inline and import the required libraries.
Populating the interactive namespace from numpy and matplotlib
```

[2]:
```
import torch.utils.tensorboard as tb
import tempfile
log_dir = tempfile.mkdtemp()
%tensorboard --logdir {log_dir} --reload_interval 1
```

```
<IPython.core.display.HTML object>
```

[3]:
```
logger = tb.SummaryWriter(log_dir+'/test3', flush_secs=1)
logger.add_scalar('first/some_number', 0, global_step=1)
logger.add_scalar('first/some_number', 1, global_step=2)
```

[4]:
```
logger.add_histogram('plots/hist1', np.array([10,2,5,4,2]), global_step=1)
logger.add_histogram('plots/hist2', np.random.rand(20), global_step=1)
```

[5]:
```
logger.add_image('img/1', (np.random.rand(3,100,100)*255).astype(np.uint8),␣
↪global_step=1)
```

[6]:
```
logger.add_histogram('plots/hist2', np.random.rand(20), global_step=2)
```

[7]:
```
logger.add_image('img/1', (np.random.rand(3,100,100)*255).astype(np.uint8),␣
↪global_step=2)
```

[8]:
```
for i, x in enumerate(np.random.rand(100)):
    logger.add_scalar('first/noise', x+0.1*i, global_step=i)
```

[ ]:
```

```