TancarFlow

TensorFlow API r1.4

tf.contrib.gan.gan_model

```
gan_model(
    generator_fn,
    discriminator_fn,
    real_data,
    generator_inputs,
    generator_scope='Generator',
    discriminator_scope='Discriminator',
    check_shapes=True
)
```

Defined in tensorflow/contrib/gan/python/train.py.

Returns GAN model outputs and variables.

Args:

- generator_fn: A python lambda that takes **generator_inputs** as inputs and returns the outputs of the GAN generator.
- discriminator_fn: A python lambda that takes real_data / generated data and generator_inputs. Outputs a Tensor in the range [-inf, inf].
- real_data: A Tensor representing the real data.
- generator_inputs: A Tensor or list of Tensors to the generator. In the vanilla GAN case, this might be a single noise Tensor. In the conditional GAN case, this might be the generator's conditioning.
- generator_scope: Optional generator variable scope. Useful if you want to reuse a subgraph that has already been created.
- discriminator_scope: Optional discriminator variable scope. Useful if you want to reuse a subgraph that has already been created.
- check_shapes: If True, check that generator produces Tensors that are the same shape as real data. Otherwise, skip
 this check.

Returns:

A GANModel namedtuple.

Raises:

ValueError: If the generator outputs a Tensor that isn't the same shape as real_data.

Except as otherwise noted, the content of this page is licensed under the Creative Commons Attribution 3.0 License, and code samples are licensed under the Apache 2.0 License. For details, see our Site Policies. Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

Blog			
GitHub			
Twitter			
Support			
oupport			
Issue Tracker			
Release Notes			
Stack Overflow			
English			
Terms Privacy			