TancarFlow

TensorFlow API r1.4

tf.contrib.gan.losses.wargs.wasserstein_discriminator_loss

```
wasserstein_discriminator_loss(
    discriminator_real_outputs,
    discriminator_gen_outputs,
    real_weights=1.0,
    generated_weights=1.0,
    scope=None,
    loss_collection=tf.GraphKeys.LOSSES,
    reduction=losses.Reduction.SUM_BY_NONZERO_WEIGHTS,
    add_summaries=False
)
```

Defined in tensorflow/contrib/gan/python/losses/python/losses_impl.py.

Wasserstein discriminator loss for GANs.

See Wasserstein GAN (https://arxiv.org/abs/1701.07875) for more details.

Args:

- discriminator_real_outputs: Discriminator output on real data.
- discriminator_gen_outputs: Discriminator output on generated data. Expected to be in the range of (-inf, inf).
- real_weights: Optional Tensor whose rank is either 0, or the same rank as discriminator_real_outputs, and
 must be broadcastable to discriminator_real_outputs (i.e., all dimensions must be either 1, or the same as the
 corresponding dimension).
- generated_weights: Same as real_weights, but for discriminator_gen_outputs.
- scope: The scope for the operations performed in computing the loss.
- loss_collection: collection to which this loss will be added.
- reduction: A tf.losses.Reduction to apply to loss.
- add_summaries: Whether or not to add summaries for the loss.

Returns:

A loss Tensor. The shape depends on reduction.

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