

tf.contrib.gan.estimator.gan_head

Contents

Aliases:

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- `tf.contrib.gan.estimator.gan_head`
- `tf.contrib.gan.estimator.head.gan_head`

```
gan_head(  
    generator_loss_fn,  
    discriminator_loss_fn,  
    generator_optimizer,  
    discriminator_optimizer,  
    use_loss_summaries=True,  
    get_hooks_fn=tfgan_train.get_sequential_train_hooks(),  
    name=None  
)
```

Defined in [tensorflow/contrib/gan/python/estimator/python/head_impl.py](#).

Creates a `GANHead`.

Args:

- `generator_loss_fn`: A TFGAN loss function for the generator. Takes a `GANModel` and returns a scalar.
- `discriminator_loss_fn`: Same as `generator_loss_fn`, but for the discriminator.
- `generator_optimizer`: The optimizer for generator updates.
- `discriminator_optimizer`: Same as `generator_optimizer`, but for the discriminator updates.
- `use_loss_summaries`: If `True`, add loss summaries. If `False`, does not. If `None`, uses defaults.
- `get_hooks_fn`: A function that takes a `GANTrainOps` tuple and returns a list of hooks.
- `name`: name of the head. If provided, summary and metrics keys will be suffixed by `"/" + name`.

Returns:

An instance of `GANHead`.

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