

tf.contrib.seq2seq.CustomHelper

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Class CustomHelper

Inherits From: [Helper](#)Defined in [tensorflow/contrib/seq2seq/python/ops/helper.py](#).See the guide: [Seq2seq Library \(contrib\) > Dynamic Decoding](#)

Base abstract class that allows the user to customize sampling.

Properties

batch_size**sample_ids_dtype****sample_ids_shape**

Methods

__init__

```
__init__(
    initialize_fn,
    sample_fn,
    next_inputs_fn,
    sample_ids_shape=None,
    sample_ids_dtype=None
)
```

Initializer.

Args:

- `initialize_fn`: callable that returns `(finished, next_inputs)` for the first iteration.
- `sample_fn`: callable that takes `(time, outputs, state)` and emits tensor `sample_ids`.
- `next_inputs_fn`: callable that takes `(time, outputs, state, sample_ids)` and emits `(finished, next_inputs,`

`next_state)` .

- `sample_ids_shape` : Either a list of integers, or a 1-D Tensor of type `int32` , the shape of each value in the `sample_ids` batch. Defaults to a scalar.
- `sample_ids_dtype` : The dtype of the `sample_ids` tensor. Defaults to `int32`.

initialize

```
initialize(name=None)
```

next_inputs

```
next_inputs(  
    time,  
    outputs,  
    state,  
    sample_ids,  
    name=None  
)
```

sample

```
sample(  
    time,  
    outputs,  
    state,  
    name=None  
)
```

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Last updated November 2, 2017.

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