tf.contrib.seq2seq.InferenceHelper

Class `InferenceHelper`

Inherits From: `Helper`

Defined in `tensorflow/contrib/seq2seq/python/ops/helper.py`.

A helper to use during inference with a custom sampling function.

Properties

`batch_size`

`sample_ids_dtype`

`sample_ids_shape`

Methods

`__init__`

```
__init__(
    sample_fn,
    sample_shape,
    sample_dtype,
    start_inputs,
    end_fn,
    next_inputs_fn=None
)
```

Initializer.

Args:

- `sample_fn` : A callable that takes `outputs` and emits tensor `sample_ids`.
- `sample_shape` : Either a list of integers, or a 1-D Tensor of type `int32`, the shape of the each sample in the batch returned by `sample_fn`.
- `sample_dtype` : the dtype of the sample returned by `sample_fn`.

- `start_inputs` : The initial batch of inputs.
- `end_fn` : A callable that takes `sample_ids` and emits a `bool` vector shaped `[batch_size]` indicating whether each sample is an end token.
- `next_inputs_fn` : (Optional) A callable that takes `sample_ids` and returns the next batch of inputs. If not provided, `sample_ids` is used as the next batch of inputs.

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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