tf.contrib.seq2seq.ScheduledEmbeddingTrainingHelper

Contents

Class **ScheduledEmbeddingTrainingHelper**

Inherits From: `TrainingHelper`

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

See the guide: Seq2seq Library (contrib) > Dynamic Decoding

A training helper that adds scheduled sampling.

Returns -1s for sample_ids where no sampling took place; valid sample id values elsewhere.

Properties

batch_size

sample_ids_dtype

sample_ids_shape

Methods

__init__

```
__init__(
    inputs,
    sequence_length,
    embedding,
    sampling_probability,
    time_major=False,
    seed=None,
    scheduling_seed=None,
    name=None
)
```

Initializer.

Args:

- `inputs` : A (structure of) input tensors.

- `sequence_length` : An int32 vector tensor.

- `embedding` : A callable that takes a vector tensor of `ids` (argmax ids), or the `params` argument for `embedding_lookup` .

- `sampling_probability` : A 0D `float32` tensor: the probability of sampling categorically from the output ids instead of reading directly from the inputs.

- `time_major` : Python bool. Whether the tensors in `inputs` are time major. If `False` (default), they are assumed to be batch major.

- `seed` : The sampling seed.

- `scheduling_seed` : The schedule decision rule sampling seed.

- `name` : Name scope for any created operations.

Raises:

- `ValueError` : if `sampling_probability` is not a scalar or vector.

initialize

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

next_inputs

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

sample

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

Support

Issue Tracker

Release Notes

Stack Overflow

English

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