

tf.contrib.seq2seq.ScheduledEmbeddingTrainingHelper

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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
)
```

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