### TancarFlow

TensorFlow API r1.4

tf.nn.all\_candidate\_sampler

```
all_candidate_sampler(
    true_classes,
    num_true,
    num_sampled,
    unique,
    seed=None,
    name=None
)
```

Defined in tensorflow/python/ops/candidate\_sampling\_ops.py.

Generate the set of all classes.

Deterministically generates and returns the set of all possible classes. For testing purposes. There is no need to use this, since you might as well use full softmax or full logistic regression.

## Args:

- true\_classes: A Tensor of type int64 and shape [batch\_size, num\_true]. The target classes.
- num\_true: An int. The number of target classes per training example.
- num\_sampled: An int. The number of possible classes.
- unique: A bool. Ignored. unique.
- seed: An int. An operation-specific seed. Default is 0.
- name: A name for the operation (optional).

# Returns:

- sampled\_candidates: A tensor of type int64 and shape [num\_sampled]. This operation deterministically returns
  the entire range [0, num\_sampled].
- true\_expected\_count: A tensor of type float. Same shape as true\_classes. The expected counts under the sampling distribution of each of true\_classes. All returned values are 1.0.
- sampled\_expected\_count: A tensor of type float. Same shape as sampled\_candidates. The expected counts
  under the sampling distribution of each of sampled\_candidates. All returned values are 1.0.

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