

tf.contrib.training.resample_at_rate

```
resample_at_rate(  
    inputs,  
    rates,  
    scope=None,  
    seed=None,  
    back_prop=False  
)
```

Defined in [tensorflow/contrib/training/python/training/resample.py](#).

See the guide: [Training \(contrib\) > Online data resampling](#)

Given **inputs** tensors, stochastically resamples each at a given rate.

For example, if the inputs are `[[a1, a2], [b1, b2]]` and the rates tensor contains `[3, 1]`, then the return value may look like `[[a1, a2, a1, a1], [b1, b2, b1, b1]]`. However, many other outputs are possible, since this is stochastic – averaged over many repeated calls, each set of inputs should appear in the output **rate** times the number of invocations.

Args:

- **inputs**: A list of tensors, each of which has a shape of `[batch_size, ...]`
- **rates**: A tensor of shape `[batch_size]` containing the resampling rates for each input.
- **scope**: Scope for the op.
- **seed**: Random seed to use.
- **back_prop**: Whether to allow back-propagation through this op.

Returns:

Selections from the input tensors.

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