

## tf.contrib.training.weighted\_resample

```
weighted_resample(  
    inputs,  
    weights,  
    overall_rate,  
    scope=None,  
    mean_decay=0.999,  
    seed=None  
)
```

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

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

Performs an approximate weighted resampling of `inputs`.

This method chooses elements from `inputs` where each item's rate of selection is proportional to its value in `weights`, and the average rate of selection across all inputs (and many invocations!) is `overall_rate`.

#### Args:

- `inputs`: A list of tensors whose first dimension is `batch_size`.
- `weights`: A `[batch_size]`-shaped tensor with each batch member's weight.
- `overall_rate`: Desired overall rate of resampling.
- `scope`: Scope to use for the op.
- `mean_decay`: How quickly to decay the running estimate of the mean weight.
- `seed`: Random seed.

#### Returns:

A list of tensors exactly like `inputs`, but with an unknown (and possibly zero) first dimension. A tensor containing the effective resampling rate used for each output.

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