tf.contrib.bayesflow.metropolis_hastings.normal_random_proposal

```
normal_random_proposal(
    scale=1.0,
    seed=None,
    name=None
)
```

Defined in `tensorflow/contrib/bayesflow/python/ops/metropolis_hastings_impl.py`.

Returns a callable that adds a random normal tensor to the input.

This function returns a callable that accepts one `Tensor` argument of any shape and a real data type (i.e. `tf.float32` or `tf.float64`). The callable adds a sample from a normal distribution with the supplied standard deviation and zero mean to its input argument (called the proposal point). The callable returns a tuple with the proposal point as the first element. The second element is identically `None`. It is included so the callable is compatible with the expected signature of the proposal scheme argument in the `metropolis_hastings` function. A value of `None` indicates that the probability of going from the input point to the proposal point is equal to the probability of going from the proposal point to the input point.

Args:

- `scale`: A positive `float` or a scalar tensor of any real dtype controlling the scale of the normal distribution.
- `seed`: `int` or None. The random seed for this `Op`. If `None`, no seed is applied.
- `name`: A string that sets the name for this `Op`.

Returns:

- `proposal_fn`: A callable accepting one float-like `Tensor` and returning a 2-tuple. The first value in the tuple is a `Tensor` of the same shape and dtype as the input argument and the second element of the tuple is None.

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