

## tf.moving\_average\_variables

```
moving_average_variables(scope=None)
```

Defined in [tensorflow/python/ops/variables.py](#).

See the guide: [Variables > Variable helper functions](#)

Returns all variables that maintain their moving averages.

If an `ExponentialMovingAverage` object is created and the `apply()` method is called on a list of variables, these variables will be added to the `GraphKeys.MOVING_AVERAGE_VARIABLES` collection. This convenience function returns the contents of that collection.

### Args:

- `scope`: (Optional.) A string. If supplied, the resulting list is filtered to include only items whose `name` attribute matches `scope` using `re.match`. Items without a `name` attribute are never returned if a scope is supplied. The choice of `re.match` means that a `scope` without special tokens filters by prefix.

### Returns:

A list of Variable objects.

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Last updated November 2, 2017.

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