tf.nn.batch_norm_with_global_normalization

```
batch_norm_with_global_normalization(
    t,
    m,
    v,
    beta,
    gamma,
    variance_epsilon,
    scale_after_normalization,
    name=None
)
```

Defined in `tensorflow/python/ops/nn_impl.py`.

See the guide: Neural Network > Normalization

Batch normalization.

This op is deprecated. See `tf.nn.batch_normalization`.

Args:

- `t`: A 4D input Tensor.
- `m`: A 1D mean Tensor with size matching the last dimension of t. This is the first output from tf.nn.moments, or a saved moving average thereof.
- `v`: A 1D variance Tensor with size matching the last dimension of t. This is the second output from tf.nn.moments, or a saved moving average thereof.
- `beta`: A 1D beta Tensor with size matching the last dimension of t. An offset to be added to the normalized tensor.
- `gamma`: A 1D gamma Tensor with size matching the last dimension of t. If "scale_after_normalization" is true, this tensor will be multiplied with the normalized tensor.
- `variance_epsilon`: A small float number to avoid dividing by 0.
- `scale_after_normalization`: A bool indicating whether the resulted tensor needs to be multiplied with gamma.
- `name`: A name for this operation (optional).

Returns:

A batch-normalized `t`.

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