tf.layers.average_pooling3d

```
average_pooling3d(
    inputs,
    pool_size,
    strides,
    padding='valid',
    data_format='channels_last',
    name=None
)
```

Defined in `tensorflow/python/layers/pooling.py`.

Average pooling layer for 3D inputs (e.g. volumes).

Arguments:

- `inputs`: The tensor over which to pool. Must have rank 5.
- `pool_size`: An integer or tuple/list of 3 integers: (pool_depth, pool_height, pool_width) specifying the size of the pooling window. Can be a single integer to specify the same value for all spatial dimensions.
- `strides`: An integer or tuple/list of 3 integers, specifying the strides of the pooling operation. Can be a single integer to specify the same value for all spatial dimensions.
- `padding`: A string. The padding method, either 'valid' or 'same'. Case-insensitive.
- `data_format`: A string. The ordering of the dimensions in the inputs. `channels_last` (default) and `channels_first` are supported. `channels_last` corresponds to inputs with shape `(batch, depth, height, width, channels)` while `channels_first` corresponds to inputs with shape `(batch, channels, depth, height, width)`.
- `name`: A string, the name of the layer.

Returns:

Output tensor.

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