tf.segment_mean

```
segment_mean(
    data,
    segment_ids,
    name=None
)
```

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

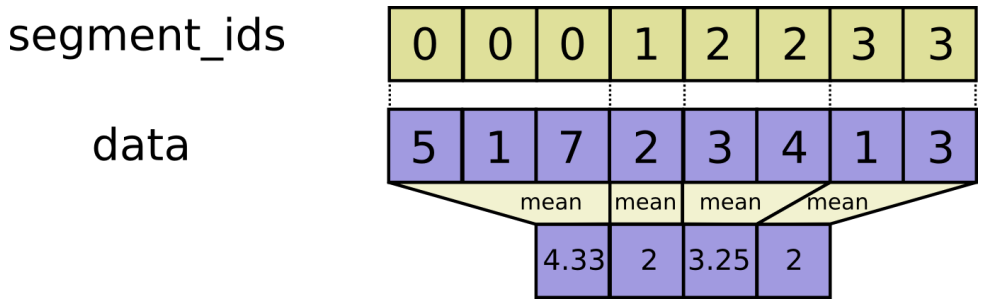
See the guide: Math > Segmentation

Computes the mean along segments of a tensor.

Read the section on segmentation for an explanation of segments.

Computes a tensor such that $output_i = \frac{\sum_j data_j}{N}$ where `mean` is over `j` such that `segment_ids[j] == i` and `N` is the total number of values summed.

If the mean is empty for a given segment ID `i`, `output[i] = 0`.



Args:

- `data`: A `Tensor`. Must be one of the following types: `float32`, `float64`, `int32`, `int64`, `uint8`, `int16`, `int8`, `uint16`, `half`.
- `segment_ids`: A `Tensor`. Must be one of the following types: `int32`, `int64`. A 1-D tensor whose rank is equal to the rank of `data`'s first dimension. Values should be sorted and can be repeated.
- `name`: A name for the operation (optional).

Returns:

A `Tensor`. Has the same type as `data`. Has same shape as data, except for dimension 0 which has size `k`, the number of segments.

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