

tf.segment_max

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

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

See the guide: [Math > Segmentation](#)

Computes the maximum along segments of a tensor.

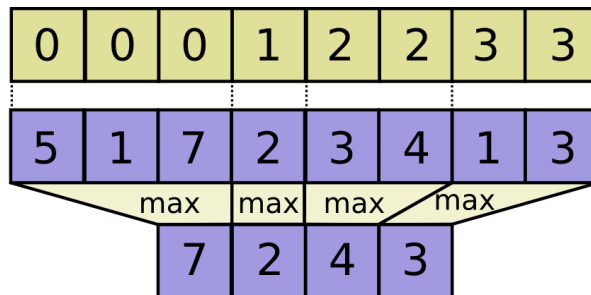
Read [the section on segmentation](#) for an explanation of segments.

Computes a tensor such that $output_i = \max_j(data_j)$ where \max is over j such that `segment_ids[j] == i`.

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

segment_ids

data



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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Last updated November 2, 2017.

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