

## tf.argmin

```
argmin(  
    input,  
    axis=None,  
    name=None,  
    dimension=None,  
    output_type=tf.int64  
)
```

Defined in [tensorflow/python/ops/math\\_ops.py](#).

See the guide: [Math > Sequence Comparison and Indexing](#)

Returns the index with the smallest value across axes of a tensor. (deprecated arguments)

SOME ARGUMENTS ARE DEPRECATED. They will be removed in a future version. Instructions for updating: Use the `axis` argument instead

Note that in case of ties the identity of the return value is not guaranteed.

### Args:

- `input`: A `Tensor`. Must be one of the following types: `float32`, `float64`, `int64`, `int32`, `uint8`, `uint16`, `int16`, `int8`, `complex64`, `complex128`, `qint8`, `quint8`, `qint32`, `half`.
- `axis`: A `Tensor`. Must be one of the following types: `int32`, `int64`. `int32` or `int64`, must be in the range `[-rank(input), rank(input))`. Describes which axis of the input `Tensor` to reduce across. For vectors, use `axis = 0`.
- `output_type`: An optional `tf.DType` from: `tf.int32`, `tf.int64`. Defaults to `tf.int64`.
- `name`: A name for the operation (optional).

### Returns:

A `Tensor` of type `output_type`.

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Last updated November 2, 2017.

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