

tf.string_to_number

```
string_to_number(  
    string_tensor,  
    out_type=tf.float32,  
    name=None  
)
```

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

See the guides: [Strings > Conversion](#), [Tensor Transformations > Casting](#)

Converts each string in the input Tensor to the specified numeric type.

(Note that int32 overflow results in an error while float overflow results in a rounded value.)

Args:

- `string_tensor`: A `Tensor` of type `string`.
- `out_type`: An optional `tf.DType` from: `tf.float32`, `tf.float64`, `tf.int32`, `tf.int64`. Defaults to `tf.float32`. The numeric type to interpret each string in `string_tensor` as.
- `name`: A name for the operation (optional).

Returns:

A `Tensor` of type `out_type`. A Tensor of the same shape as the input `string_tensor`.

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