tf.contrib.layers.weighted_sparse_column

```
weighted_sparse_column(
    sparse_id_column,
    weight_column_name,
    dtype=tf.float32
)
```

Defined in `tensorflow/contrib/layers/python/layers/feature_column.py`.

See the guide: Layers (contrib) > Feature columns

Creates a _SparseColumn by combining sparse_id_column with a weight column.

Example:

```
sparse_feature = sparse_column_with_hash_bucket(column_name="sparse_col",
                                                hash_bucket_size=1000)
weighted_feature = weighted_sparse_column(sparse_id_column=sparse_feature,
                                          weight_column_name="weights_col")
```

This configuration assumes that input dictionary of model contains the following two items: * (key="sparse_col", value=sparse_tensor) where sparse_tensor is a SparseTensor. * (key="weights_col", value=weights_tensor) where weights_tensor is a SparseTensor. Following are assumed to be true: * sparse_tensor.indices = weights_tensor.indices * sparse_tensor.dense_shape = weights_tensor.dense_shape

Args:

- `sparse_id_column`: A `_SparseColumn` which is created by `sparse_column_with_*` functions.
- `weight_column_name`: A string defining a sparse column name which represents weight or value of the corresponding sparse id feature.
- `dtype`: Type of weights, such as `tf.float32`. Only floating and integer weights are supported.

Returns:

A _WeightedSparseColumn composed of two sparse features: one represents id, the other represents weight (value) of the id feature in that example.

Raises:

- `ValueError`: if dtype is not convertible to float.

Stay Connected

Blog

GitHub

Twitter

Support

Issue Tracker

Release Notes

Stack Overflow

English

Terms | **Privacy**