tf.contrib.layers.sparse_column_with_keys

```
sparse_column_with_keys(
    column_name,
    keys,
    default_value=-1,
    combiner='sum',
    dtype=tf.string
)
```

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

See the guide: Layers (contrib) > Feature columns

Creates a _SparseColumn with keys.

Look up logic is as follows: lookup_id = index_of_feature_in_keys if feature in keys else default_value

Args:

- `column_name`: A string defining sparse column name.
- `keys`: A list or tuple defining vocabulary. Must be castable to `dtype`.
- `default_value`: The value to use for out-of-vocabulary feature values. Default is -1.
- `combiner`: A string specifying how to reduce if the sparse column is multivalent. Currently "mean", "sqrtn" and "sum" are supported, with "sum" the default. "sqrtn" often achieves good accuracy, in particular with bag-of-words columns.
  - "sum": do not normalize features in the column
  - "mean": do l1 normalization on features in the column
  - "sqrtn": do l2 normalization on features in the column For more information: `tf.embedding_lookup_sparse`.
- `dtype`: Type of features. Only integer and string are supported.

Returns:

A _SparseColumnKeys with keys configuration.

Last updated November 2, 2017.

Support

Issue Tracker

Release Notes

Stack Overflow

English

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