tf.contrib.layers.embedding_column

```
embedding_column(
    sparse_id_column,
    dimension,
    combiner='mean',
    initializer=None,
    ckpt_to_load_from=None,
    tensor_name_in_ckpt=None,
    max_norm=None,
    trainable=True
)
```

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

See the guide: Layers (contrib) > Feature columns

Creates an `_EmbeddingColumn` for feeding sparse data into a DNN.

Args:

- `sparse_id_column`: A `_SparseColumn` which is created by for example `sparse_column_with_*` or crossed_column functions. Note that `combiner` defined in `sparse_id_column` is ignored.
- `dimension`: An integer specifying dimension of the embedding.
- `combiner`: A string specifying how to reduce if there are multiple entries in a single row. Currently "mean", "sqrtn" and "sum" are supported, with "mean" the default. "sqrtn" often achieves good accuracy, in particular with bag-of-words columns. Each of this can be thought as example level normalizations on the column:
  - "sum": do not normalize
  - "mean": do l1 normalization
  - "sqrtn": do l2 normalization For more information: `tf.embedding_lookup_sparse`.
- `initializer`: A variable initializer function to be used in embedding variable initialization. If not specified, defaults to `tf.truncated_normal_initializer` with mean 0.0 and standard deviation 1/sqrt(sparse_id_column.length).
- `ckpt_to_load_from`: (Optional). String representing checkpoint name/pattern to restore the column weights. Required if `tensor_name_in_ckpt` is not None.
- `tensor_name_in_ckpt`: (Optional). Name of the `Tensor` in the provided checkpoint from which to restore the column weights. Required if `ckpt_to_load_from` is not None.
- `max_norm`: (Optional). If not None, embedding values are l2-normalized to the value of max_norm.
- `trainable`: (Optional). Should the embedding be trainable. Default is True

Returns:

An `_EmbeddingColumn`.

Last updated November 2, 2017.