

tf.estimator.export.ClassificationOutput

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Class `ClassificationOutput`

Inherits From: [ExportOutput](#)

Defined in [tensorflow/python/estimator/export/export_output.py](#).

Represents the output of a classification head.

Either `classes` or `scores` or both must be set.

The `classes` [Tensor](#) must provide string labels, not integer class IDs.

If only `classes` is set, it is interpreted as providing top-k results in descending order.

If only `scores` is set, it is interpreted as providing a score for every class in order of class ID.

If both `classes` and `scores` are set, they are interpreted as zipped, so each score corresponds to the class at the same index. Clients should not depend on the order of the entries.

Properties

`classes`

`scores`

Methods

`__init__`

```
__init__(  
    scores=None,  
    classes=None  
)
```

Constructor for `ClassificationOutput`.

Args:

- `scores` : A float `Tensor` giving scores (sometimes but not always interpretable as probabilities) for each class. May be `None` , but only if `classes` is set. Interpretation varies– see class doc.
- `classes` : A string `Tensor` giving predicted class labels. May be `None` , but only if `scores` is set. Interpretation varies– see class doc.

Raises:

- `ValueError` : if neither classes nor scores is set, or one of them is not a `Tensor` with the correct dtype.

as_signature_def

```
as_signature_def(receiver_tensors)
```

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