

## tf.contrib.learn.binary\_svm\_head

```
binary_svm_head(  
    label_name=None,  
    weight_column_name=None,  
    enable_centered_bias=False,  
    head_name=None,  
    thresholds=None  
)
```

Defined in [tensorflow/contrib/learn/python/learn/estimators/head.py](#).

Creates a **Head** for binary classification with SVMs.

The head uses binary hinge loss.

## Args:

- **label\_name**: String, name of the key in label dict. Can be null if label is a tensor (single headed models).
- **weight\_column\_name**: A string defining feature column name representing weights. It is used to down weight or boost examples during training. It will be multiplied by the loss of the example.
- **enable\_centered\_bias**: A bool. If True, estimator will learn a centered bias variable for each class. Rest of the model structure learns the residual after centered bias.
- **head\_name**: name of the head. If provided, predictions, summary and metrics keys will be suffixed by **"/" + head\_name** and the default variable scope will be **head\_name**.
- **thresholds**: thresholds for eval metrics, defaults to [.5]

## Returns:

An instance of **Head** for binary classification with SVM.

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