

## tf.keras.backend.bias\_add

```
def bias_add(
    x,
    bias,
    data_format=None
)
```

Defined in [tensorflow/python/keras/\\_impl/keras/backend.py](#).

Adds a bias vector to a tensor.

## Arguments:

- `x`: Tensor or variable.
- `bias`: Bias tensor to add.
- `data_format`: string, "channels\_last" or "channels\_first".

## Returns:

Output tensor.

## Raises:

- `ValueError`: In one of the two cases below: 1. invalid `data_format` argument. 2. invalid bias shape. the bias should be either a vector or a tensor with `ndim(x) - 1` dimension

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