

tf.bincount

```
bincount(  
    arr,  
    weights=None,  
    minlength=None,  
    maxlength=None,  
    dtype=tf.int32  
)
```

Defined in [tensorflow/python/ops/math_ops.py](#).

Counts the number of occurrences of each value in an integer array.

If `minlength` and `maxlength` are not given, returns a vector with length `tf.reduce_max(arr) + 1` if `arr` is non-empty, and length 0 otherwise. If `weights` are non-None, then index `i` of the output stores the sum of the value in `weights` at each index where the corresponding value in `arr` is `i`.

Args:

- `arr`: An int32 tensor of non-negative values.
- `weights`: If non-None, must be the same shape as `arr`. For each value in `arr`, the bin will be incremented by the corresponding weight instead of 1.
- `minlength`: If given, ensures the output has length at least `minlength`, padding with zeros at the end if necessary.
- `maxlength`: If given, skips values in `arr` that are equal or greater than `maxlength`, ensuring that the output has length at most `maxlength`.
- `dtype`: If `weights` is None, determines the type of the output bins.

Returns:

A vector with the same dtype as `weights` or the given `dtype`. The bin values.

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