

# Package ‘IVYplot’

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**Type** Package

**Title** Produces an IVY Plot (Similar to Dot Plot) with/without Frequencies

**Version** 0.1.0

**Author** Tri Ha Minh Nguyen  
Jyotirmoy Sarkar  
Mamunur Rashid

**Maintainer** Tri Ha Minh Nguyen <tringuyen\_2023@depauw.edu>

**Description** For a single variable, the IVY Plot stacks tied values in the form of leaflets. Five leaflets join to form a leaf. Leaves are stacked vertically. At most twenty leaves are shown; For high frequency, each leaflet may represent more than one observation with multiplicity declared in the subtitle.

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.1

**Imports** plyr

**NeedsCompilation** no

**Repository** CRAN

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 IVYplot

*IVY Plot*


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### Description

The function will draw an IVY Plot (similar to Dot Plot) with/without frequencies

### Usage

```
IVYplot(
  data0,
  showFreq = TRUE,
  freqSize = 1,
  multiple = NULL,
  delta = 1,
  limA = NULL,
  limB = NULL
)
```

### Arguments

|                       |   |
|-----------------------|---|
| <code>data0</code>    | The data vector the user will input   |
| <code>showFreq</code> | Option for the user to show the frequencies at each value or not. TRUE = show/FALSE = do not show. Default is TRUE          |
| <code>freqSize</code> | The font size of the frequencies if the user wants to show the frequencies. Default is 1.0                                  |
| <code>multiple</code> | The maximum number of observations each leaflet represents. Default is calculated to ensure at most 20 leaves at each value |
| <code>delta</code>    | The gap between successive values. Default is 1   |
| <code>limA</code>     | The lower limit on the horizontal axis. Default is minimum of the values  |
| <code>limB</code>     | The upper limit on the horizontal axis. Default is maximum of the values  |

### Value

Gives you an IVY plot

### Examples

```
IVYplot(data0 = c(rpois(500, 10), 30, 30, 30), freqSize = 1.5, multiple = 3)
```

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