Meshgrid Arrays in R

Fan Wang

2020-04-01

Contents Array Basics
Multidimesional Arrays
<pre># Multidimensional Array # 1 is r1c1t1, 1.5 in r2c1t1, 0 in r1c2t1, etc. # Three dimensions, row first, column second, and tensor third x <- array(c(1, 1.5, 0, 2, 0, 4, 0, 3), dim=c(2, 2, 2)) dim(x)</pre>
Generate 2 Dimensional Array
[1] 2 2 2
<pre>print(x)</pre>
<pre>## , , 1 ## ## [,1] [,2] ## [1,] 1.0</pre>

Array Slicing

```
# Remove last element of array
vars.group.bydf <- c('23','dfa', 'wer')
vars.group.bydf[-length(vars.group.bydf)]</pre>
```

Remove Elements of Array

```
## [1] "23" "dfa"
```

NA in Array

```
# Convert Inf and -Inf to NA
x <- c(1, -1, Inf, 10, -Inf)
na_if(na_if(x, -Inf), Inf)</pre>
```

Check if NA is in Array

[1] 1 -1 NA 10 NA