

Math Conventions

focus on what might seem different

Operator precedence:

- `:: $ []` PEU: `%x%` (MD)(AS) and L-to-R priority if equal
- `"1:5 * 2" ":"` has precedence
- logic: `!` (`& &&`) (`| ||`) xor
- (`&` is vectorized "AND"; `&&` is single-valued "AND")

Operators to note:

exponentiation: `^` (accepts `**`)

modulus: `%%` (matrix: `%x%`)

integer division: `%/%`

define vector: `c(...)`

R input and response:

```
x <- c(1,2,3); print(x)
## [1] 1 2 3
```