

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(...)`
test if element present: `%in%`
equality test: `'=='`, not `'=`
missing: `'+=`, `'++`, etc.

R input and response:

must use forms like:
`i <- i + 1`