

# Math Conventions

focus on what might seem different

## Operator precedence:

- `::` `$` `[]` PEU: `%x%` (MD)(AS)  
and L-to-R priority if equal

## R input and response:

`::` package ref. `[ggplot2::....]`  
`$` named column [e.g., `DF$X`]  
`[]` indexing -- e.g., `DF[3,6]`  
P **parentheses** (above math ops)  
E exponentiation `[x^y]`  
U unary operators; e.g., `[-x]`  
`%..%` special ops, incl modulus  
(MD) `[*/]` equal priority  
(AS) `[+-]` equal priority