

Math Conventions

focus on what might seem different

Operator precedence:

- `:: $ []` PEU: `%x%` (MD)(AS) and L-to-R associativity
"1:5 * 2" : has precedence
- `!` (`& &&`) (`||` `||`) `xor`
- `&` vectorized;
`&&` single-valued, efficient

Operators to note:

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

modulus: `%%` (mention `%x%`)

integer division: `/%/%`

```
1:5 * 2 # 1:10 or 2,4,6...?
```

```
## [1] 2 4 6 8 10
```

```
T | F & F # & has priority
```

```
## [1] TRUE
```

```
27 %% 6
```

```
## [1] 3
```

```
b <- 5.3 %/% 2.6; b
```

```
## [1] 2
```

```
is.integer(b); as.integer(b)
```

```
## [1] FALSE
```

```
## [1] 2
```