

R Operators

Type	Operator	Description	Example Usage
Arithmetic	+	Addition	3 + 2 -> 5
	-	Subtraction	5 - 2 -> 3
	*	Multiplication	3 * 2 -> 6
	/	Division	6 / 2 -> 3
	^	Exponentiation	2 ^ 3 -> 8
	%%	Modulus (remainder of division)	5 %% 2 -> 1
Logical	%/%	Integer Division	5 %/% 2 -> 2
	&	Element-wise logical AND	TRUE & FALSE -> FALSE
	\	Element-wise logical OR	TRUE \ FALSE -> TRUE
	!	Logical NOT	!TRUE -> FALSE
Comparison	==	Equal to	3 == 2 -> FALSE
	!=	Not equal to	3 != 2 -> TRUE
	<	Less than	3 < 2 -> FALSE
	<=	Less than or equal to	3 <= 2 -> FALSE
	>	Greater than	3 > 2 -> TRUE
	>=	Greater than or equal to	3 >= 2 -> TRUE
Assignment	<-	Assigns value to a variable (leftward)	x <- 3
	->	Assigns value to a variable (rightward)	3 -> x
	=	Assigns value to a variable (less common)	x = 3
Miscellaneous	%in%	Checks if an element belongs to a vector	3 %in% c(1, 2, 3) -> TRUE
	:	Generates a series of numbers	1:5 -> 1, 2, 3, 4, 5