OPERATIONS IN R
Assignment Operators

Lesson Goal

- Learn to use the assignment operators to assign values to variables (or objects) in R.
- Learn to annotate your code.

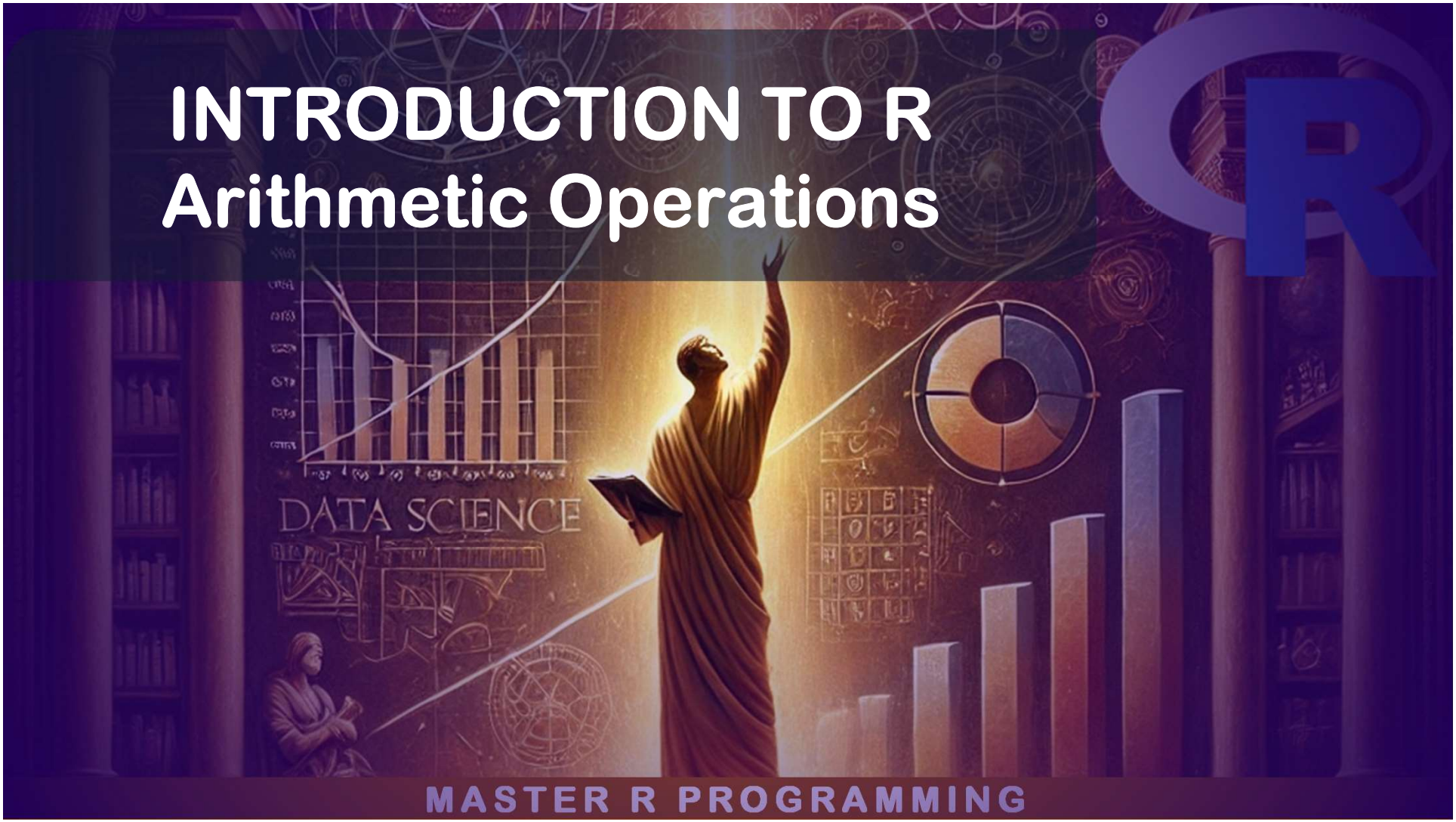
Assignment Operators

- There are two assignment operators in R:

	Symbol
Less than and hyphen	**<-**
Equal to	**=**

- Note: Comments in R are created using the **'#'** symbol.

INTRODUCTION TO R
Arithmetic Operations



MASTER R PROGRAMMING

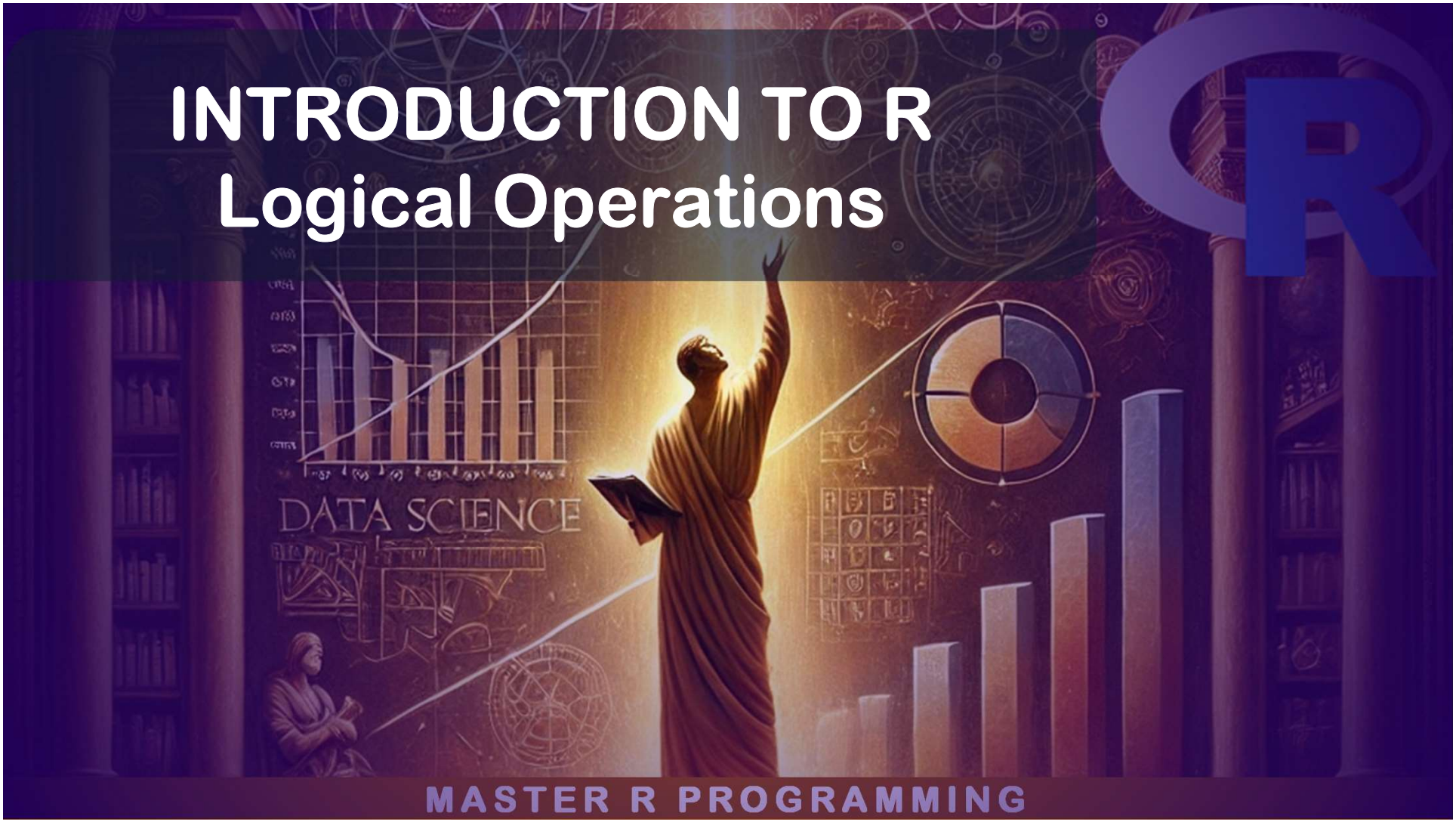
Lesson Goal

- Learn the various arithmetic operators in R and use them to perform calculations.

Arithmetic Operators

Description	Operator
Addition	+
Subtraction	-
Multiplication	*
Division	/
Exponent	** or ^
Modulo	%%
Integer Division	%/%

INTRODUCTION TO R
Logical Operations



MASTER R PROGRAMMING

Lesson Goal

- Learn to make logical comparisons for decision-making.

Logical Operations in R

- There are two main logical constants in R:

TRUE

FALSE

Logical Operations in R

- Logical constants are used with the following logical operators.

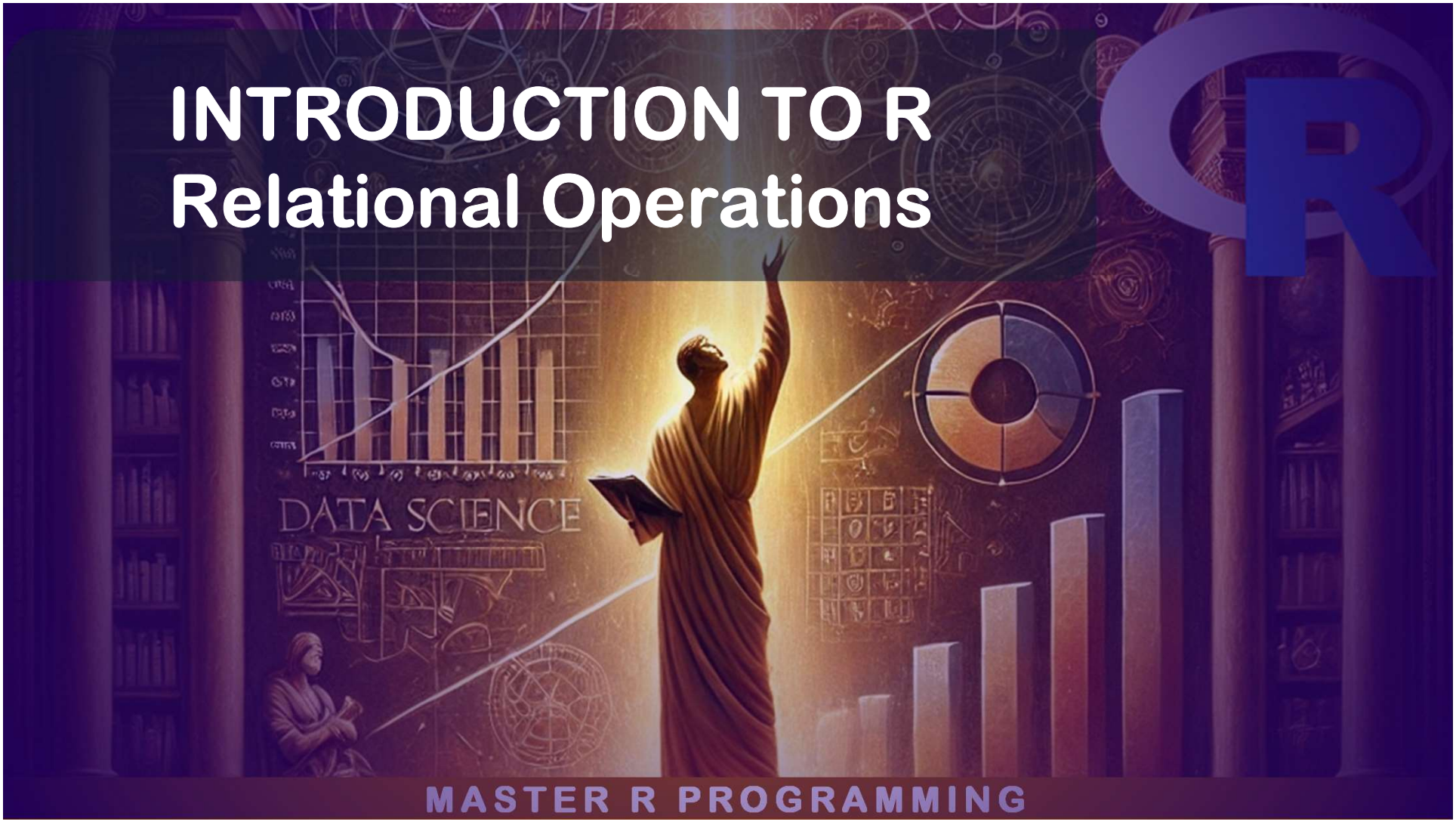
Logical Operator	Meaning
&	and
|	or
!	not

Logical Operations and Truth Table Logic

- Logical constants are used with the following logical operators.

Statement A	Statement B	A and B	A or B
TRUE	TRUE	TRUE	TRUE
TRUE	FALSE	FALSE	TRUE
FALSE	TRUE	FALSE	TRUE
FALSE	FALSE	FALSE	FALSE

INTRODUCTION TO R
Relational Operations



MASTER R PROGRAMMING

Lesson Goal

- Understand and use relational operators to compare values in R.

Relational/Comparison Operators

Description	Operator
Less than	<
Less than or equal to	<=
Greater than	>
Greater than or equal to	>=
Equal to	==
Not equal to	!=