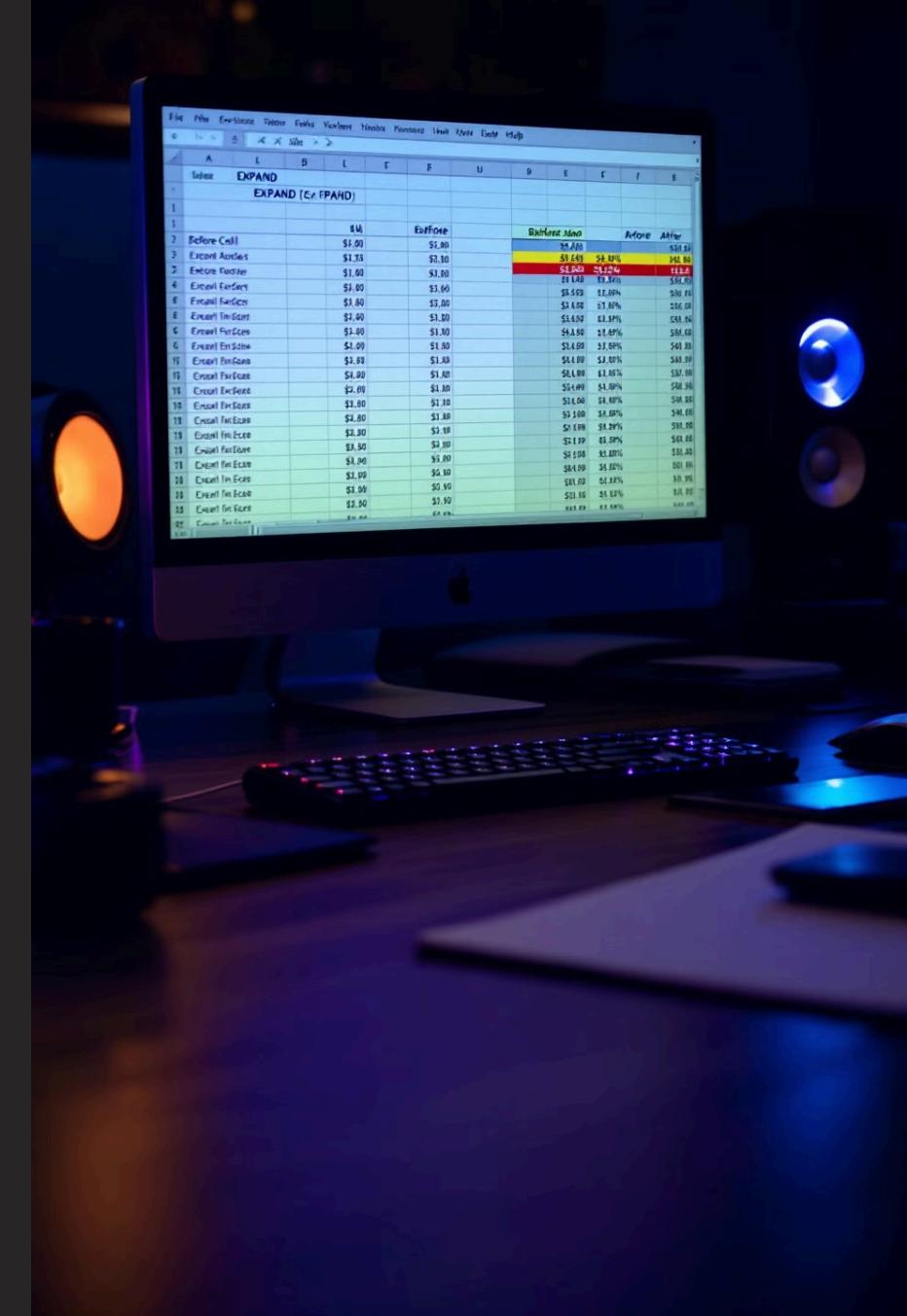


# EXPAND Function in Excel 365

The EXPAND function is a powerful tool for manipulating arrays in Excel 365.  
It allows users to add rows and columns to an existing array.

 by Excel Training London



# Purpose and Syntax

## Purpose

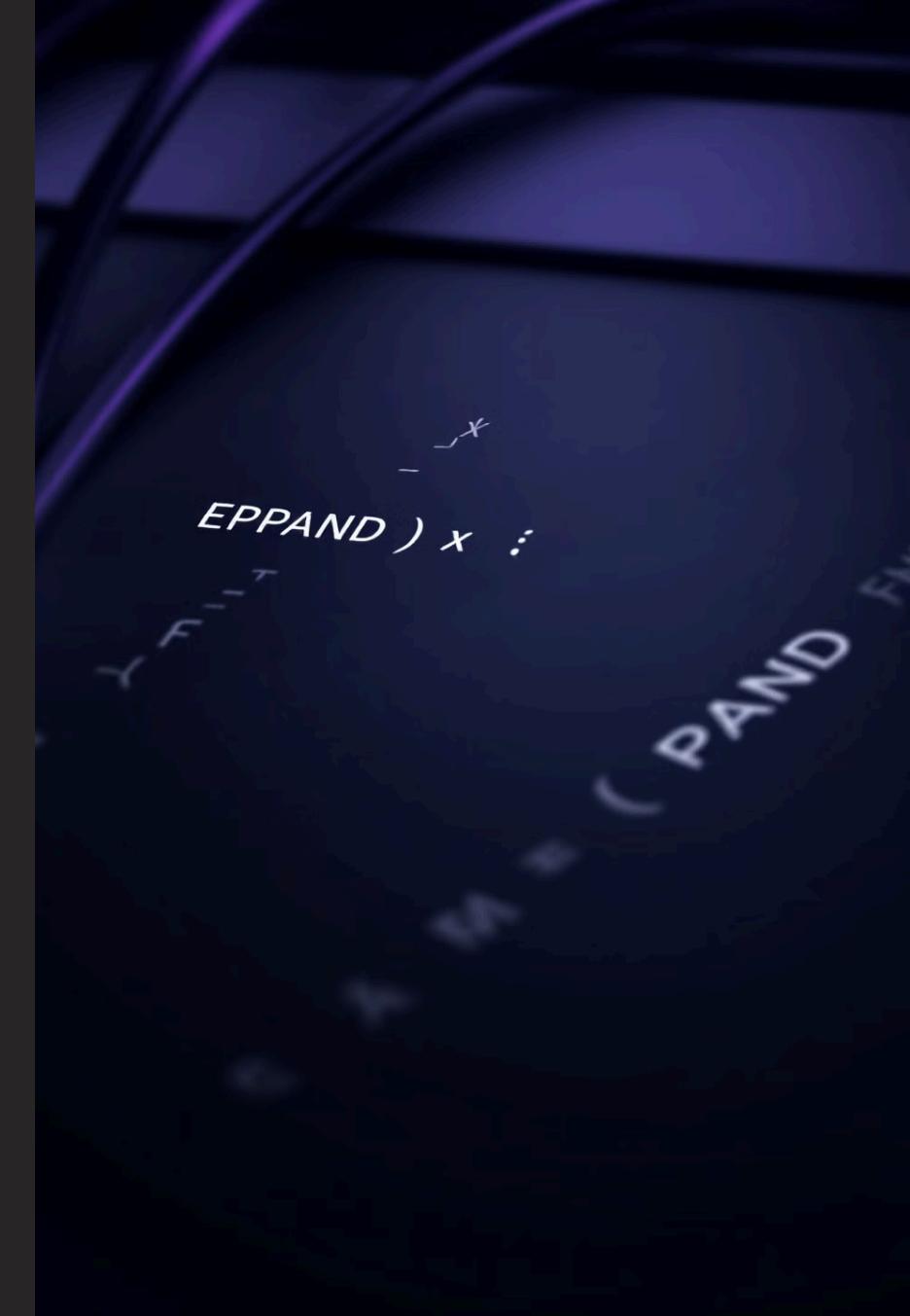
Expand array by adding rows  
or columns

## Syntax

=EXPAND(array,[rows],  
[columns],[pad\_with])

## Return Value

Expanded array



# Function Arguments

## **array**

The array to expand. This argument is required.

## **rows**

Optional. The final number of rows. Default is total rows.

## **columns**

Optional. The final number of columns. Default is total columns.

## **pad\_with**

Optional. Value to use for new cells. Default is #N/A.



# Basic Usage

**Expand to 5x4**

=EXPAND(array,5,4)

**Expand to 10x3, fill with "x"**

=EXPAND(array,10,3,"x")

**Add 2 rows**

=EXPAND(B3:D7,7)

# Default and Custom Padding

- 1
- 2
- 3

## Default

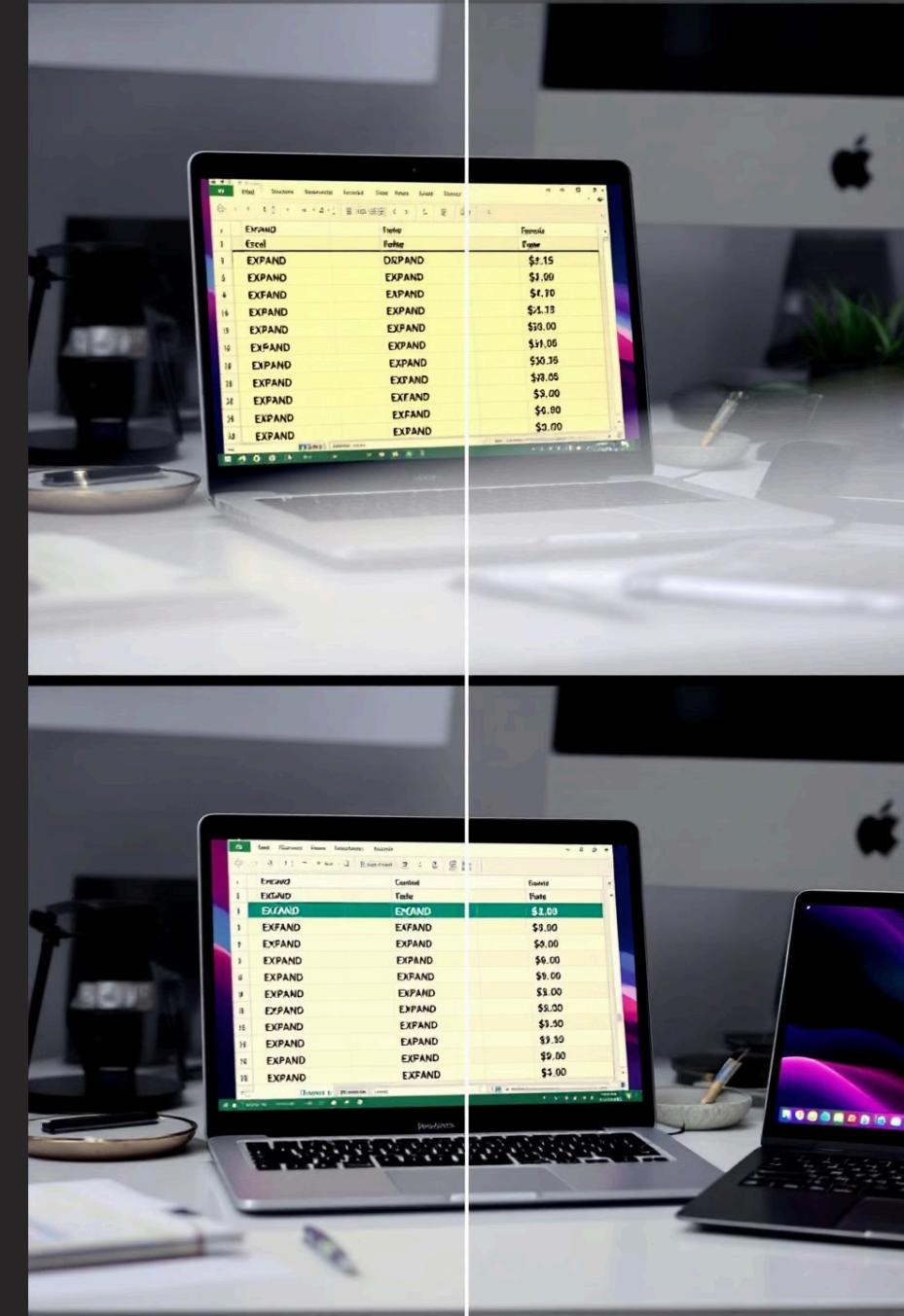
New cells filled with #N/A errors

## Custom

Specify value for pad\_with argument

## Example

=EXPAND(B3:D7,7,,0) to pad with zeros



# Important Notes



## Error Handling

#VALUE! error if rows or columns are less than original array



## Final Dimensions

Rows and columns represent final size, not additions



## Default Behavior

Omitted arguments default to original array dimensions

# Related Functions



DROP

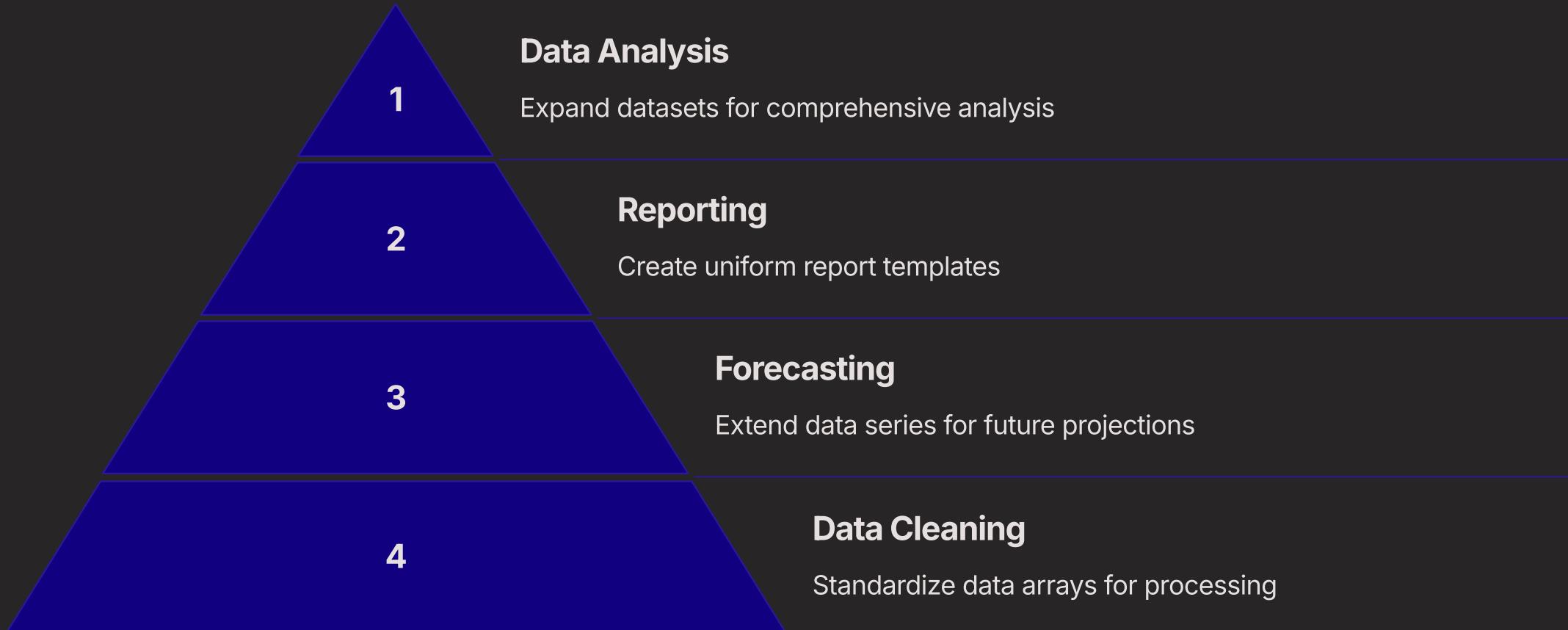
TA

KE



EXPAND works well with DROP, TAKE, CHOSEROWS, and CHOOSECOLS functions for array manipulation.

# Practical Applications





# Tips for Effective Use

1

## Understand Array Dimensions

Know your initial and desired array sizes

2

## Choose Appropriate Padding

Select padding that won't skew data analysis

3

## Combine with Other Functions

Use EXPAND with other array functions for complex operations

4

## Practice with Examples

Experiment with various scenarios to master EXPAND

# Conclusion

The EXPAND function is a versatile tool for array manipulation in Excel 365. It offers flexibility in data management and analysis.

4

## Arguments

Array, rows, columns, and pad\_with for customization

2

## Key Features

Expand arrays and customize padding



## Possibilities

Endless applications in data analysis and reporting

