

MICROSOFT EXCEL 

Fun with Formulas

RICH MALLOY
TECH HELP TODAY

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Introduction

- Excel is great for:
 - Tables
 - Lists
 - Charts
- But, Excel's real power is:

Calculations

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To Do Calculations, You Need ...

Formulas

Best way to learn about formulas is to have fun!

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Who Is Rich Malloy?

- Microsoft-certified Expert in Excel
- Adjunct Professor, NCC
- Computer Consultant, Greenwich
- Former Editor-in-Chief, *Mobile Computing*
- Former Executive Editor, *Byte*
- Expert BBQ griller of Tamari-infused Salmon fillets

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Resources You May Need:

- Go to: www.techhelptoday.com/videos
- Fun with Formulas:
 - **Excel workbook file**
 - Slide show
 - YouTube video

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Agenda

1. The Easiest Formula
2. How to Copy Formulas
3. The Function of Functions
4. The Easy Way to Use Functions
5. How to Buy Something Really Expensive
6. How to Create a Simple Game

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But First ...

A Review of Formulas

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4 Rules for Formulas

www.techhelptoday.com/videos

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4 Rules for Formulas

1. Always start with an Equal Sign



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4 Rules for Formulas

1. Always start with an Equal Sign
2. Avoid using numbers



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4 Rules for Formulas

1. Always start with an Equal Sign
2. Avoid using numbers
3. Check your results



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4 Rules for Formulas


1. Always start with an Equal Sign
2. Avoid using numbers
3. Check your results
4. Similar cells → Similar formulas



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The AutoSum Tool - Σ


THE EASIEST FORMULAS



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How to Copy Formulas

THE EASY WAY



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Functions

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Over 500 Functions

List of Excel Functions

- ABS
- ACCRINT
- ACCRINTM
- ACOS
- ACOSH
- ACOT
- ACOTH
- AGGREGATE
- ADDRESS

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The Function of Functions

TO MAKE FORMULAS EASIER



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Functional Functions

HOW TO DO FUNCTIONS THE EASY WAY

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Insert Function (fx)



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How to Buy a Car

EASY CAR PAYMENT CALCULATIONS

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Tesla Model S Plaid, \$120,000



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N_{per} = Number of Periods



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P_v = Present Value (Principal)



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If P_v is negative, Payment is positive



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How to Create a Game

AND LEARN ABOUT EXCEL FUNCTIONS



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RANDBETWEEN()

Returns a random value between two numbers



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Recalculate: F9 key



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The IF() Function

Returns one value if a condition is true, another if false



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The IFS() Function

Returns different values for several different conditions →

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Excel Functions



- RANDBETWEEN()
- IF()
- IFS()

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Fun with Formulas

- The AutoSum button
- How to Copy Formulas
- The Function of Functions
- The Easy Way to Use Functions (*fx*)
- How to Calculate Loan Payments
- How to Create a Simple Game


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One More Thing ...


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The Undo Button



Ctrl + Z



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Practice, Practice, Practice

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Practice, Practice, Practice

And Have Fun!

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