

# ActiveNET®

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## MS-Excel

### Introduction

- 1 Range: [Fibonacci Sequence](#), [Custom Lists](#), [Comments](#), [Hide Columns or Rows](#), [Skip Blanks](#), [Transpose](#), [Union and Intersect](#).
- 2 Formulas and Functions: [Percent Change](#), [Names in Formulas](#), [Dynamic Named Range](#), [Paste Options](#), [Status Bar](#), [Quick Operations](#).

### Basics

- 1 Ribbon: [Quick Access Toolbar](#), [Developer Tab](#).
- 2 Workbook: [Save in 97-2003 Format](#), [View Multiple Workbooks](#), [Workspace](#), [AutoRecover](#).
- 3 Worksheets: [Zoom](#), [Split](#), [Freeze Panes](#), [Group Worksheets](#), [Consolidate](#), [View Multiple Worksheets](#), [Spelling](#).
- 4 Format Cells: [Decimal Places](#), [Currency vs Accounting](#), [Date and Time Formats](#), [Fractions](#), [Text to Numbers](#), [Numbers to Text](#), [Custom Number Format](#), [Format Painter](#), [Cell Styles](#), [Themes](#).
- 5 Find & Select: [Find Features](#), [Delete Blank Rows](#), [Row Differences](#), [Copy Visible Cells Only](#), [Search Box](#).
- 6 Templates: [Calendar](#), [Budget](#), [Meal Planner](#), [Invoice](#), [Automated Invoice](#), [Default Templates](#).
- 7 Data Validation: [Reject Invalid Dates](#), [Budget Limit](#), [Prevent Duplicate Entries](#), [Product Codes](#), [Drop-down List](#), [Dependent Drop-down Lists](#).
- 8 Keyboard Shortcuts: [Function Keys](#), [Key Tips](#).
- 9 Print: [Workbook Views](#), [Page Breaks](#), [Headers and Footers](#), [Page Numbers](#), [Print Titles](#), [Center on Page](#), [Print Gridlines & Headings](#), [Print Area](#).
- 10 Share: [Embed](#), [PDF](#), [Share Workbooks](#), [SkyDrive](#), [Web App](#), [Import Access Data](#), [Microsoft Query](#), [Import/Export Text Files](#), [XML](#).
- 11 Protect: [Protect Workbook](#), [Protect Sheet](#), [Lock Cells](#), [Read-only Workbook](#), [Mark as Final](#).

### Functions

- 1 Count and Sum: [Count Text Occurrences](#), [Count Logical Values](#), [Count Blank/Nonblank Cells](#), [Sumproduct](#).
- 2 Logical: [Nested If](#), [Roll the Dice](#).
- 3 Cell References: [Copy Exact Formula](#), [3D-reference](#), [External References](#), [Hyperlinks](#).
- 4 Date & Time: [DateDif](#), [Weekdays](#), [Days until Birthday](#), [Time Sheet](#), [Last Day of the Month](#), [Holidays](#), [Quarter](#), [Day of the Year](#).

- 5 Text: [Separate Strings](#), [Number of Instances](#), [Number of Words](#), [Text to Columns](#), [Lower/Upper Case](#), [Remove Unwanted Characters](#), [Compare Text](#), [Find vs Search](#), [Substitute vs Replace](#).
- 6 Lookup & Reference: [Tax Rates](#), [Offset](#), [Left Lookup](#), [Two-way Lookup](#), [Locate Maximum Value](#), [Indirect](#).
- 7 Financial: [Loans with Different Durations](#), [Investment or Annuity](#), [Compound Interest](#), [Loan Amortization Schedule](#), [Depreciation](#).
- 8 Statistical: [Negative Numbers to Zero](#), [Random Numbers](#), [Rank](#), [Percentiles and Quartiles](#), [Forecast and Trend](#).
- 9 Round: [Chop off Decimals](#), [Nearest Multiple](#), [Even and Odd](#).
- 10 Formula Errors: [IfError](#), [IsError](#), [Circular Reference](#), [Formula Auditing](#), [Floating Point Errors](#).
- 11 Array Formulas: [Count Errors](#), [Count Unique Values](#), [Count with Or Criteria](#), [Sum Every Nth Row](#), [Sum Largest Numbers](#), [Sum Range with Errors](#), [Sum with Or Criteria](#), [Two-column Lookup](#), [Most Frequently Occurring Word](#), [System of Linear Equations](#).

## Data Analysis

- 1 Sort: [Sort by Color](#), [Reverse List](#), [Randomize List](#).
- 2 Filter: [Number and Text Filters](#), [Date Filters](#), [Advanced Filter](#), [Data Form](#), [Remove Duplicates](#), [Outlining Data](#).
- 3 Conditional Formatting: [Manage Rules](#), [Data Bars](#), [Color Scales](#), [Icon Sets](#), [New Rule](#), [Find Duplicates](#), [Shade Alternate Rows](#), [Compare Two Lists](#), [Conflicting Rules](#), [Checklist](#).
- 4 Charts: [Column Chart](#), [Line Chart](#), [Pie Chart](#), [Bar Chart](#), [Area Chart](#), [Scatter Chart](#), [Data Series](#), [Axes](#), [Chart Sheet](#), [Trendline](#), [Error Bars](#), [Sparklines](#), [Combination Chart](#), [Gauge Chart](#), [Thermometer Chart](#), [Gantt Chart](#), [Pareto Chart](#).
- 5 Pivot Tables: [Group Pivot Table Items](#), [Multi-level Pivot Table](#), [Frequency Distribution](#), [Pivot Chart](#), [Slicers](#), [Update Pivot Table](#), [Calculated Field/Item](#).
- 6 Tables: [Structured References](#), [Table Styles](#).
- 7 What-If Analysis: [Data Tables](#), [Quadratic Equation](#).
- 8 Solver: [Transportation Problem](#), [Assignment Problem](#), [Capital Investment](#), [Shortest Path Problem](#), [Maximum Flow Problem](#), [Sensitivity Analysis](#).
- 9 Analysis ToolPak: [Histogram](#), [Descriptive Statistics](#), [Anova](#), [F-Test](#), [t-Test](#), [Moving Average](#), [Exponential Smoothing](#), [Correlation](#), [Regression](#).

## VBA

- 1 Create a Macro: [Swap Values](#), [Run Code from a Module](#), [Macro Recorder](#), [Use Relative References](#), [FormulaR1C1](#), [Add a Macro to the Toolbar](#), [Macro Security](#), [Protect Macro](#).
- 2 MsgBox: [MsgBox Function](#), [InputBox Function](#).
- 3 Workbook and Worksheet Object: [Path and FullName](#), [Close and Open](#), [Loop through Books and Sheets](#), [Sales Calculator](#), [Files in a Directory](#), [Import Sheets](#), [Programming Charts](#).
- 4 Range Object: [CurrentRegion](#), [Dynamic Range](#), [Resize](#), [Entire Rows and Columns](#), [Offset](#), [From Active Cell to Last Entry](#), [Union and Intersect](#), [Test a Selection](#), [Possible Football Matches](#), [Font](#), [Background Colors](#), [Areas Collection](#), [Compare Ranges](#).
- 5 Variables: [Option Explicit](#), [Variable Scope](#), [Life of Variables](#).
- 6 If Then Statement: [Logical Operators](#), [Select Case](#), [Tax Rates](#), [Mod Operator](#), [Prime Number Checker](#), [Find Second Highest Value](#), [Sum by Color](#), [Delete Blank Cells](#).
- 7 Loop: [Loop through Defined Range](#), [Loop through Entire Column](#), [Do Until Loop](#), [Step Keyword](#), [Create a Pattern](#), [Sort Numbers](#), [Randomly Sort Data](#), [Remove Duplicates](#), [Complex Calculations](#), [Knapsack Problem](#).
- 8 Macro Errors: [Debugging](#), [Error Handling](#), [Err Object](#), [Interrupt a Macro](#), [Macro Comments](#).

- 9 String Manipulation: [Separate Strings](#), [Reverse Strings](#), [Convert to Proper Case](#), [Count Words](#).
- 10 Date and Time: [Compare Dates and Times](#), [DateDiff Function](#), [Weekdays](#), [Delay a Macro](#), [Year Occurrences](#), [Tasks on Schedule](#), [Sort Birthdays](#).
- 11 Events: [BeforeDoubleClick Event](#), [Highlight Active Cell](#), [Create a Footer Before Printing](#), [Bills and Coins](#), [Rolling Average Table](#).
- 12 Array: [Dynamic Array](#), [Array Function](#), [Month Names](#), [Size of an Array](#).
- 13 Function and Sub: [User Defined Function](#), [Custom Average Function](#), [Volatile Functions](#), [ByRef and ByVal](#).
- 14 Application Object: [StatusBar](#), [Read Data from Text File](#), [Write Data to Text File](#).
- 15 ActiveX Controls: [Text Box](#), [List Box](#), [Combo Box](#), [Check Box](#), [Option Buttons](#), [Spin Button](#), [Loan Calculator](#).
- 16 Userform: [Userform and Ranges](#), [Currency Converter](#), [Progress Indicator](#), [Multiple List Box Selections](#), [Multicolumn Combo Box](#), [Dependent Combo Boxes](#), [Loop through Controls](#), [Controls Collection](#), [Userform with Multiple Pages](#), [Interactive Userform](#).