

# Excel 2016 In Easy Steps

Microsoft Excel

*switches to control the manner in which Excel starts. Excel 2016 has 484 functions. Of these, 360 existed prior to Excel 2010. Microsoft classifies these*

Microsoft Excel, or simply Excel, is a spreadsheet editor developed by Microsoft for Windows, macOS, Android, iOS and iPadOS. It features calculation or computation capabilities, graphing tools, pivot tables, and a macro programming language called Visual Basic for Applications (VBA).

Excel forms part of the Microsoft 365 and Microsoft Office suites of software and has been developed since 1985.

== Features ==

Spreadsheet

*Microsoft Excel now has the largest market share for Windows and Mac. A spreadsheet program is a standard feature of an office productivity suite. In 2006*

A spreadsheet is a computer application for computation, organization, analysis and storage of data in tabular form. Spreadsheets were developed as computerized analogs of paper accounting worksheets. The program operates on data entered in cells of a table. Each cell may contain either numeric or text data, or the results of formulas that automatically calculate and display a value based on the contents of other cells. The term spreadsheet may also refer to one such electronic document.

In modern spreadsheet applications, several spreadsheets, often known as "worksheets" or simply "sheets", are gathered together to form a "workbook". A workbook is physically represented by a file containing all the data for the book, the sheets, and the cells with the sheets. Worksheets are normally represented by tabs that flip between pages, each one containing one of the sheets, although Numbers changes this model significantly. Cells in a multi-sheet book add the sheet name to their reference, for instance, "Sheet 1!C10". Some systems extend this syntax to allow cell references to different workbooks.

Spreadsheet users can adjust any stored value and observe the effects on calculated values. This...

Data wrangling

*useful for the end product. This step is important for easier computation and analysis in the later steps. Cleaning There are many different forms of cleaning*

Data wrangling, sometimes referred to as data munging, is the process of transforming and mapping data from one "raw" data form into another format with the intent of making it more appropriate and valuable for a variety of downstream purposes such as analytics. The goal of data wrangling is to assure quality and useful data. Data analysts typically spend the majority of their time in the process of data wrangling compared to the actual analysis of the data.

The process of data wrangling may include further munging, data visualization, data aggregation, training a statistical model, as well as many other potential uses. Data wrangling typically follows a set of general steps which begin with extracting the data in a raw form from the data source, "munging" the raw data (e.g. sorting) or parsing the data into predefined data structures, and finally depositing the resulting content into a data sink for storage and future use. It is closely aligned with the ETL process.

== Background ==

The "wrangler" non-technical term is often said to derive from work done by the United States Library of Congress's National Digital Information Infrastructure and Preservation Program (NDIIPP) and their...

Microsoft Office 2010

*management, full screen view, or macro functionality. Excel Starter 2010 does not support calculation steps, circular references, custom views, error analyses*

Microsoft Office 2010 (codenamed Office 14) is a version of Microsoft Office for Microsoft Windows unveiled by Microsoft on May 15, 2009, and released to manufacturing on April 15, 2010, with general availability on June 15, 2010. The macOS equivalent, Microsoft Office 2011 for Mac was released on October 26, 2010.

Office 2010 introduces user interface enhancements including a Backstage view that consolidates document management tasks into a single location. The ribbon introduced in Office 2007 for Access, Excel, Outlook, PowerPoint, and Word is the primary user interface for all applications in Office 2010 and is now customizable. Collaborative editing features that enable multiple users to share and edit documents; extended file format support; integration with OneDrive and SharePoint; and security improvements such as Protected View, a sandbox to protect users from malicious content are among its other new features. It debuted Office Online, free Web-based versions of Excel, OneNote, PowerPoint, and Word. A new Office Starter 2010 edition replaces Microsoft Works. Office Mobile 2010, an update to Microsoft's mobile productivity suite was released on May 12, 2010 as a free upgrade...

Eco-costs

*expressed in a standardized monetary value (€) which appears to be easily understood &#039;by instinct&#039;. Also the calculation is transparent and relatively easy, compared*

Eco-costs are the costs of the environmental burden of a product on the basis of prevention of that burden. They are the costs which should be made to reduce the environmental pollution and materials depletion in the world to a level which is in line with the carrying capacity of Earth.

For example: for each 1000 kg CO<sub>2</sub> emission, one should invest €150,- in offshore windmill parks (plus in the other CO<sub>2</sub> reduction systems at that price or less). When this is done consequently, the total of CO<sub>2</sub> emissions in the world is expected to be reduced to a level that is in compliance with the Paris agreement. As a result, global warming will stabilize (at a level of 2 degrees C). In short: "the eco-costs of 1000kg CO<sub>2</sub> are € 150,-".

Similar calculations can be made on the environmental burden of acidification, eutrophication, summer smog, fine dust, eco-toxicity, and the scarcity of metals, rare earths, fossil fuels, water and land (nature).

As such, the eco-costs are 'external costs', since they are not yet integrated in the real life costs of current production chains (Life Cycle Costs). The eco-costs should be regarded as hidden obligations.

The eco-costs of a product are the sum of all eco...

### SmartPLS

*released to the general public in 2022 is an easy-to-use tool for Structural Equation Modelling. To estimate the model in SmartPLS, the model has to be*

SmartPLS is a software with graphical user interface for variance-based structural equation modeling (SEM) using the partial least squares (PLS) path modeling method. Users can estimate models with their data by using basic PLS-SEM, weighted PLS-SEM (WPLS), consistent PLS-SEM (PLSc-SEM), and sumscores regression algorithms. The software computes standard results assessment criteria (e.g., for the reflective and formative measurement models and the structural model, including the HTMT criterion, bootstrap based significance testing, PLSpredict, and goodness of fit) and it supports additional statistical analyses (e.g., confirmatory tetrad analysis, higher-order models, importance-performance map analysis, latent class segmentation, mediation, moderation, measurement invariance assessment, multigroup analysis, regression analysis, logistic regression, path analysis, PROCESS, confirmatory factor analysis, and covariance-based structural equation modeling).

Since SmartPLS is programmed in Java, it can be executed and run on different computer operating systems such as Windows and Mac.

## == SmartPLS4 ==

The Newest addition is the SmartPLS4. The software released to the general public in 2022...

### Ascon (cipher)

*finalist of the CAESAR Competition in February 2019. NIST announced its decision on February 7, 2023 with the following steps that lead to its standardization:*

Ascon is a family of lightweight authenticated ciphers and hash functions that have been selected by the U.S. National Institute of Standards and Technology (NIST) for cryptography on resource-constrained devices in 2025, specified in NIST SP 800-232.

## == History ==

Ascon was developed in 2014 by a team of researchers from Graz University of Technology, Infineon Technologies, Lamarr Security Research, and Radboud University. The cipher family was chosen as a finalist of the CAESAR Competition in February 2019.

NIST announced its decision on February 7, 2023 with the following steps that lead to its standardization:

### Simona Amânar

*European Championships. Amânar began to excel as an individual performer at the 1995 European Cup, placing second in the all-around behind Svetlana Khorkina*

Simona Amânar (Romanian pronunciation: [si'mona ami'nar]; born 7 October 1979) is a Romanian former artistic gymnast. She is the 2000 Olympic all-around champion, and a seven-time Olympic and ten-time World Championship medalist. Amânar helped Romania win four consecutive world team titles (1994-1999), as well as the 2000 Olympic team title. She has a vault named after her, one of the most difficult in women's gymnastics, and was inducted into the International Gymnastics Hall of Fame in 2007.

## == Biography ==

Simona Amânar is an ethnic Aromanian.

### Résumé

*Eric (8 May 2008). "An E-friendly Résumé in 5 Easy Steps". cnn.com. Look up résumé, curriculum vitae, or resume in Wiktionary, the free dictionary. Bennett*

A résumé or resume (or alternatively resumé) is a document created and used by an individual to present their background, skills, and accomplishments. Résumés are most often used to apply for a job, whether in the same organization or another.

A typical résumé contains a summary of relevant job experience and education. The résumé is usually one of the first items, along with a cover letter and an application for employment, a potential employer sees before choosing to interview the job seeker.

In the EMEA and Asian countries, a curriculum vitae (CV) is used for similar purposes. This international CV is more akin to the résumé—a summary of one's education and experience—than to the longer and more detailed CV expected in U.S. academic circles.

However, international CVs vary by country. For example, many Middle East and African countries and some parts of Asia require personal data (e.g., photograph, gender, marital status, children) while this is not accepted in the UK, U.S., and some European countries.

In South Asian countries such as Pakistan and Bangladesh, biodata is often used in place of a résumé.

== History ==

The word "résumé" comes from the French word résumer meaning 'to...

Translation management system

*offer an integrated solution in which the software is paired with the vendor's own language services, facilitating easier customer integration. The latter*

A translation management system (TMS), formerly globalization management system (GMS), is a type of software for automating many parts of the human language translation process and maximizing translator efficiency. The idea of a translation management system is to automate all repeatable and non-essential work that can be done by software/systems and leaving only the creative work of translation and review to be done by human beings. A translation management system generally includes at least two types of technology: process management technology to automate the flow of work, and linguistic technology to aid the translator.

In a typical TMS, process management technology is used to monitor source language content for changes and route the content to various translators and reviewers. These translators and reviewers may be located across the globe and typically access the TMS via the Internet.

Translation management systems are most commonly used today for managing various aspects translation business.

== History and evolution ==

TMSs evolved from earlier computer-assisted translation (CAT) tools developed in the late 20th century. These tools introduced features such as translation...

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