Excel data analysis tool pdf
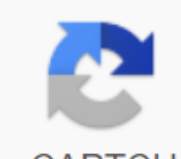
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The ability to analyze data is a powerful skill that will help you make better decisions. Microsoft Excel is one of the best tools for data analysis and built-in turn tables is arguably the most popular analytics tool. In this course, you'll learn how to analyze data with the most popular Excel features. You'll learn how to create support tables from a range of strings and columns in Excel. You'll see the power of Excel rods in action and their ability to aggregate data in flexible ways, allowing you to quickly study data and producing valuable information from accumulated data. Pivots are used in many different industries by millions of users who share the goal of reporting on the activities of companies and organizations. In addition, Excel formulas can be used to aggregate data to generate meaningful reports. In addition to this, reference charts and slices can be used together to visualize data and create easy-to-use dashboards. You need to have a basic understanding of formula creation and how cells refer to rows and columns in Excel to take this course. If necessary, you can find a lot of help on the Excel support site. You can use any supported version of Excel installed on your computer, but the instructions are based on Excel 2016. You may not be able to complete all the exercises as demonstrated in the lectures, but workarounds are provided in laboratory instructions or discussion forum. Note that Excel for Mac does not support many of the features demonstrated in this course. After this course, you'll be ready to continue our more advanced Excel course by analyzing and visualizing the data with Excel. Note: This course will end at the end of October. Please register only if you are able to finish your coursework on time. Create flexible data aggregations using support tables To visualize data visually, using support charts to calculate fields and other common ratios, using the calculation on the pivot table filter data using slices in multiple turn tables Create aggregated reports using The Week 1 Formulas learn about Excel tables and what their advantage is over conventional ranges. Use the table to filter, sort, and view the results. Learn how you can use computing to add columns to existing data in the Excel table. Week 2 Create our first turning table. Use a few basic tables and rotary charts to create our first dashboard. Connect multiple slices to the support tables. Week 3 Explore in more detail the power of the turning tables. Learn how to filter the data shown in the rod, in many ways for interesting subsets of data. Use calculated fields at the top of the reversal table to calculate profitability and find anomalies. Week 4 Use data aggregation formulas as an alternative to support tables for more flexible reporting layouts. Find out how the support can use more than one table and in the Excel data table, which is detailed in a more advanced course in these series. Get an instructor signed a certificate with the institution's logo to check your accomplishments and increase your employment prospectsAdd certificate on your resume or resume, or post it directly on LinkedInGive itself an additional incentive to complete the courseEdX, a non-profit, relies on proven certificates to help fund free education for all around the world data analysis includes digging into information to identify predictable models interpret the results and make business decisions. Software solutions are often used for effective and optimal data analysis. Companies use analysis in areas such as strategic management, marketing and sales, business development and human resources. Board of directors and company executives meet periodically to develop forward-looking goals and strategies. The data is analyzed to quantify the goals and strategies that are relevant to the company's current situation and based on business analysis, not guesswork. For leaders to set a target of increasing market share by 5 percent within two years, the company's revenue data is compared with industry revenue data to determine current market share. Market share trends and projected revenue data are useful for setting reasonable goals. Companies also analyze competitive data such as revenue, profit and market size to determine the favorable benefits of leverage in planning. Marketing and trading functions are largely driven by data for 2015. Programs are used to collect and evaluate market research. Companies use data to become more familiar with the characteristics of target customers. Target, for example, tracks all demographic data, such as age and gender, as well as its customers' transactional behaviors through a individually assigned guest ID. Tracking this data allows you to use targeted direct mail or e-mail campaigns. A well-known business marketing system, customer relations management, is also built on data-driven software. Marketers use profile data and behavioral transaction histories to find activity patterns. These templates are used to target the right customers correctly with promotional materials. This improves sales and service efficiency. Sellers use CRM to better manage current customer and customer interactions, as well as keep notes on core customers. Business development applications with data analytics are closely related to marketing applications. Retailers, for example, often analyze customer data to determine new stores. If an existing location attracts significant traffic from a 45 to 60 mile radius, for example, the company can add new stores in nearby cities to cater for most of these markets. Companies can diversify their product range in certain categories by determining which solutions are most attractive to their most valuable customers. Surveys are often used to collect and interpret customer data about their preferences. Data analysis is also used in human resources because it is more of a strategic process than a business function. Human resources professionals use data analytics software to manage talent, which involves projecting employee needs in different departments and positions in line with the company's goals. Data analysis is also used in employee assessments and goal setting. Customer service providers are often given customer satisfaction ratings. If the company determines that the average estimate is 92 percent, it can set training and development plans to raise the average to 95 percent within three months. In addition, workers who reach scores over 95 or 96 percent may receive bonuses or other incentives. Data evaluation systems are also used in promotion decisions, sometimes to ensure objectivity. Human resources also monitor staff turnover and retention rates. Data in GDC can be analyzed using GDC data analysis, visualization, and research (DAVE) web-friendly web data analysis tools (DAVE) that guide the data analysis process. The GDC DAVE Tools data analysis process is available through the GDC data portal. To perform the analysis, researchers select a project or project list for analysis using specific GDC sets or creating a custom set, requesting a set of cases, genes, or mutations. Researchers can create custom kits using the GDC Data Portal Exploration feature for further analysis. Once the kits have been identified, researchers can use GDC DAVE Tools to perform analysis and analysis of the results. Throughout the process, researchers can download files from the GDC data portal by requesting a repository. For more information, please refer to the GDC DAVE documentation in the GDC data portal user manual. The consequences of cancer, the quality of life associated with health, models of medical care practices, decisions on participation in clinical trials, demographic, socio-economic and support characteristics of medical care are considered. Reporters argue about all sorts of data, from analyzing property tax estimates to mapping fatal accidents - and, here at Computerworld, for stories about IT salaries and H-1B visas. In fact, the tools used by journalists who work with data leaks are usually useful for a wide range of other non-journalistic tasks, and this includes software specifically designed for use in the newsroom. And given the generally thrifty culture Medium-sized, these tools often have the added appeal of little or no cost. I returned from last year's Conference of the National Institute of Computer Reporting (NICAR) with 22 free data visualization and analysis tools, most of which are still popular and worth a look. At this year's conference I learned about other free (or at least inexpensive) tools for analysis and presentation. Like the previous group of 22 tools, they range from easy enough for a beginner (i.e. anyone who can enter rudimentary spreadsheets) to an expert (requiring practical coding). Here are eight of the best: CSVKitWhat it does: This set of utilities available from Christopher Groskopf's gitHub account has a plethora of Unix-like command line tools for importing, analyzing and reformatting the comma of separated data files. What's cool: Of course, you can pull the file into Excel to explore it, but CSVKit makes it quick and easy to preview, chop and generalize. For example, you can see all the column headers in the list, which is handy for super-wide, multi-rooted files, and then just pull the data out of a few of those columns. In addition to entering CSV files, it can import multiple formats of fixed-width files - for example, there are libraries available for specific fixed-width formats used by the Census Bureau and the Federal Election Commission.Two simple teams will generate a data structure, which in turn can be used by multiple formats of the S'L database (Mr. Data Converter processes only MyS'L). The S'L code will create a table that provides the appropriate type of data for each field, as well as insert teams to add data to the table. CSVKit offers unix-like command-linear tools for importing, analyzing, and reformatting comma data files. An interface similar to Unix will be familiar to anyone who has worked on the Nix system, and makes it easier to keep several commands commonly used in a batch file. Disadvantages: Working on a command line means learning new text commands (not to mention the likely risk of making bugs), which may not be worth it if you don't work with CSV files quite often. Also, keep in mind that this toolkit is written in Python, so Windows users will also need to install this set in their system. Skill level: ExpertRuns on: Any Windows, Mac or Linux system with Python installed. Read more: Documentation includes a simple-to-follow tutorial. There's also a brief introductory slide presentation that was given at the NICAR conference last month. Related: Google Refine is a desktop app that can do some basic file analysis, as well as its primary task of cleaning up data; and Project R for statistical calculations can do more powerful statistical analysis on CSV and other archives. DataTablesWhat it does: This popular jquery plugin (which was designed and created by Allan Jardine) creates sortable, SEARCHable HTML tables from a variety of data sources - say, the existing HTML static table, JavaScript, JSON or S'L. The quarter ending unit sales (millions) Device 2010-06 3.3 iPad 2010-09 4.2 iPad 2010-12 7.3 iPad 2010-12 16.2 iPhone 2011-03 4.1 Mac 2011-03 4.7 iPad 2011-03 18.6 iPhone 2011-03 3.8 Mac 2011-06 9.3 iPad 2011-06 20.3 iPhone 2011-06 4.0 Mac 2011-09 11.1 iPad 2011-09 iPhone 17.0Phone 17.0 17.0 17.0 4.9 Mac 2011-12 15.4 iPad 2011-12 37.0 iPhone 2011-12 5.2 Mac Source: Apple Earnings StatementsWhat Cool: In addition to sorted tables, the results can be searched in real time (results narrower further with each keystroke). Disadvantages: Search capabilities are pretty simple and can't be narrowed by a column or using wildcard or Boolean searches. Skill level: ExpertRuns on: JavaScript with web browser-enabled Learn More: Numerous examples on DataTables show many ways to use this plugin. Plugin. excel data analysis toolpak. excel data analysis toolpak tutorial. excel data analysis toolpak not showing up. excel data analysis toolpak add-in. excel data analysis toolpak tutorial pdf. excel data analysis toolpak histogram. excel data analysis toolpak regression. excel data analysis toolpak correlation