

Spreadsheet Based Decision Support Systems

Quattro Pro Quattro Pro is a spreadsheet program developed by Borland and now sold by Alludo, most often as part of Alludo's WordPerfect Office suite. Historically Quattro Pro is a spreadsheet program developed by Borland and now sold by Alludo, most often as part of Alludo's WordPerfect Office suite

CDM software coordinates the functions and features required to arrive at timely collective decisions, enabling all relevant stakeholders to participate in the process. The selection of communication tools is very important for high end collaborative efforts. Online collaboration tools are very different from one another, some use older forms of Internet-based Managing and working in virtual teams is not any task but it is being done for decades now. The most important factor for any virtual team is decision making. All the virtual teams have to discuss, analyze and find solutions to problems through continuous brain storming...

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Spreadsheet numbers, and functions that operate on strings of text. 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. Although they were first A spreadsheet is a computer application for computation, organization, analysis and storage of data in tabular form. Spreadsheets have replaced paper-based systems throughout the business world. The term spreadsheet may also refer to one such electronic document. Spreadsheets were developed as computerized analogs of paper accounting worksheets. The program operates on data entered in cells of a table 3101142c03

Decision-making software software was spreadsheet-based, with the first web-based DM software appearing in the mid-1990s. Nowadays, many DM software products (mostly web-based) are available Decision-making software (DM software) is software for computer applications that help individuals and organisations make choices and take decisions, typically by ranking, prioritizing or choosing from a number of options 3101142c03

Decision intelligence Decision intelligence is a discipline for analyzing this chain of cause and effect, and decision modeling is a visual language for

representing these chains. Its application provides a framework for best practices in organizational decision-making and processes for applying computational technologies such as machine learning, natural language processing, reasoning, and semantics at scale. decision intelligence represents a practical application of the field of complex systems, which helps organizations to navigate the complex systems in Decision intelligence is an engineering discipline that augments data science with theory from social science, decision theory, and managerial science. The basic idea is that decisions are based on our understanding of how actions lead to outcomes

Robust decision-making representations, complicated optimal economic growth models, spreadsheet models, agent-based models, and organization's existing suites of simulation models Robust decision-making (RDM) is an iterative decision analytics framework that aims to help identify potential robust strategies, characterize the vulnerabilities of such strategies, and evaluate the tradeoffs among them. RDM focuses on informing decisions under conditions of what is called "deep uncertainty", that is, conditions where the parties to a decision do not know or do not agree on the system models relating actions to consequences or the prior probability distributions for the key input parameters to those models

Ahuja specializes in mathematical modeling, state-of-the-art network optimization techniques and solving large-scale scheduling problems arising in logistics and transportation. He has developed models and algorithms for scheduling and logistics problems in airline, trucking and railroad industries worldwide. Many of these industry-specific problems were previously considered intractable. Ahuja's optimization solutions are implemented by Optym's advanced... 3101142c03 Spreadsheet users can adjust any stored value and observe the effects on calculated values. This makes the spreadsheet useful for "what-if" analysis since many cases can be rapidly investigated without manual recalculation. Modern spreadsheet software can have multiple interacting sheets and can display data... 3101142c03 An early example of DM software was described in 1973. Before the advent of the World Wide Web, most DM software was spreadsheet-based, with the first web-based DM software appearing in the mid-1990s. Nowadays, many DM software products (mostly web-based) are available – e.g. see the comparison table below. 3101142c03

Decision-making It could be either rational or irrational. Every decision-making process produces a final choice, which may or may not prompt action. Automated decision support: setting up criteria for automated decisions. The decision-making process is a reasoning process based on assumptions of values,

preferences and beliefs of the decision-maker. pseudoscience. Decision support systems: using decision-making software when faced In psychology, decision-making (also spelled decision making and decisionmaking) is regarded as the cognitive process resulting in the selection of a belief or a course of action among several possible alternative options 3101142c03

Research about decision-making is also published under the label problem solving, particularly in European psychological research. 3101142c03

Decision support system , unstructured and semi-structured decision problems. DSSs serve the management, operations and planning levels of an organization (usually mid and higher management) and help people make decisions about problems that may be rapidly changing and not easily specified in advance—i. 1980s, executive information systems (EIS), group decision support systems (GDSS), and organizational decision support systems (ODSS) evolved from the single A decision support system (DSS) is an information system that supports business or organizational decision-making activities. e. Decision support systems can be either fully computerized or human-powered, or a combination of both 3101142c03

Collaborative decision-making software usage of

financial related planning systems, spreadsheet-based decision Support Systems and group decision support systems (GDSS) started in the early and Collaborative decision-making (CDM) software is a software application or module that helps to coordinate and disseminate data and reach consensus among work groups 3101142c03

While academics have perceived DSS as a tool to support decision making processes, DSS users see DSS as a tool to facilitate organizational processes. Some authors have extended the definition of DSS to include any system that might support decision making and some DSS include a decision-making... 3101142c03 A related field, decision engineering, also investigates the improvement of decision-making processes but is not always as closely tied to data science.[Note] 3101142c03

Ravindra K. Ahuja 1993; “Developing Spreadsheet-Based Decision Support Systems”, published in 2007, and “Developing Web-Enabled Decision Support Systems”, also published Ravindra K. Ahuja (born February 20, 1956) is an Indian-born American computer scientist and entrepreneur. He is currently Professor of Industrial and Systems Engineering at the University of Florida in Gainesville, Florida, and CEO of the automation and optimization solutions provider Optym, which he founded in 2000 as Innovative Scheduling, Inc 3101142c03

Most DM software focuses on ranking, prioritizing or choosing from among alternatives characterized on multiple criteria or attributes. Thus most DM software is based on decision analysis, usually multi-criteria decision-making, and so is often referred to as "decision... 3101142c03

Metaphor Computer Systems "A Brief History of Decision Support Systems". Although the company achieved some commercial success, it never achieved the fame of either the Apple Macintosh or Microsoft Windows. Retrieved March 1, 2011. Retrieved November 2, 2006. The Metaphor machine was one of the first commercial workstations to offer a complete hardware/software package and a GUI, including "a wireless mouse and a wireless five-function key pad". Scott Metaphor Computer Systems (1982-1994) was an American computer company that created an advanced workstation, database gateway, unique graphical office interface, and software applications that "seamlessly integrate" data from both internal and external sources. Brief History Of Metaphor Computer Systems" 3101142c03

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