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Characteristics of information

REFERENCES	PUBLICATION TYPE	REGION	STUDY DESIGN	ENROLLMENT PERIOD	SOURCE OF PMS	NO. PMS, PMS/100 Pts.	PERCENTAGE OF PMS, WITH PMS/1 %	NO. PMS, PMS/100 Pts., WHO UNDERWENT IMAGING EXAMINATIONS	STUDY QUALITY
Arumula et al. (13)	Conference abstract	USA	Cross-Sectional	2010-2014	Two tertiary hospitals of the Northwest health system*	132/910 (893)	16.30	132/910 (893)	Moderate
Baron et al. (11)	Conference abstract	India	Cross-Sectional	2004-12-2010-03	Asian Institute of Gastroenterology	7/593 (42)	1.23	N/A	Moderate
Bonnel et al. (12)	Conference abstract	USA	Cross-Sectional	1987-01-2011-03	Gastroenterology Division for University of Pennsylvania*	10/14,674 (893)	0.07	N/A	Moderate
Bonnard et al. (13)	Conference abstract	France	Hospital-Based cohort	2000-01-2012-06	Two French hospitals*	1/210 (893)	0.48	N/A	High
Chung et al. (14)	Full-text	USA	Hospital-Based cohort	2004-08-2009-10	Miles and Shirley Farmer Center for Digestive Diseases in Rochester, Minnesota	6/207 (22)	1.68	6/207 (22)	Moderate
Campos et al. (15)	Conference abstract	Portugal	Cross-Sectional	2008-08-2013-03	Central Hospital for University of Coimbra	1/771 (893)	0.13	N/A	Moderate
Chaffee et al. (16)	Conference abstract	USA	Cross-Sectional	2010-01-2010-01	Turman Medical Center for Gastroenterology, University City	5/2,409 (893)	0.21	N/A	Moderate
Hefley et al. (17)	Conference abstract	UK	Cross-Sectional	2010-04-2015-12	A tertiary care referral center of university*	2/38 (893)	2.38	N/A	Moderate
Koplov et al. (18)	Full-text	Israel	Hospital-Based cohort	2005-2010	Clalit Health Medical Center	6/480 (22)	1.30	N/A	Moderate
Leustener et al. (19)	Conference abstract	Romania	Cross-Sectional	2012-08-2017-08	St Spiridon Hospital in Iasi	1/239 (893)	0.42	N/A	Moderate
Mouaff et al. (20)	Conference abstract	Tunisia	Cross-Sectional	2000-01-2010-03	Charles Nicolle Hospital in Tunis	2/205 (893)	0.68	N/A	Moderate
Papay et al. (21)	Full-text	Austria	Hospital-Based cohort	2008-08-2010-03	Fourteen participating centers in Austria	7/734 (893)	0.25	N/A	High
Rhee Andrade et al. (22)	Conference abstract	Brazil	Hospital-Based cohort	2010-01-2015-10	Clinical Hospital for University of São Paulo	6/781 (22)	1.02	N/A	Moderate
Seddon et al. (23)	Conference abstract	Argentina	Hospital-Based cohort	1986-2007	Hospital Italiano in Buenos Aires	1/51 (893)	1.96	N/A	High
Schroeder et al. (24)	Conference abstract	UK	Hospital-Based cohort	2000-08-2012-12	Penrose Acute Hospital NHS Trust in Manchester	2/285 (22)	0.52	2/285 (22)	Moderate
Talbot et al. (25)	Full-text	USA	Hospital-Based cohort	1970-01-1985-12	Mayo Clinic in Rochester, Minnesota	6/1,189 (893)	0.11	N/A	Moderate
Weg et al. (26)	Full-text	Hungary	Population-Based cohort	1977-01-2012-12	Five general hospitals and gastroenterology outpatient units in Budapest province	1/1,260 (42) 1/948 (22)	0.58 0.16	N/A	High
Yeh et al. (27)	Full-text	Switzerland	Hospital-Based cohort	2008-01-2011-06	Sales 80 Study Center at Lausanne University Hospital	6/39 (42) 36/121 (22)	20.51 28.93	6/39 (42) 36/121 (22)	High

*Detailed information of location cannot be found

Characteristics of Information Systems

The characteristics of information systems are that they:

- Organise **data** to give information.
- Analyse **information** to give knowledge.

- **Data** are raw facts.
- **Information** is data organised in a way that gives the data meaning.

Characteristics of ICT



Characteristics of a Good Report

- Accurate and specific
- Factual
- Objective
- Clear
- Complete
- Concise
- Well-organized
- Grammatically correct
- Light on abbreviations

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Characteristics of Good Information

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Furthermore, both an evolving and established company can benefit from using different types of information systems that help each unit make structured decisions and enhance problem-solving skills. Quantities and the types of transactions performed vary, depending on the industry and size/scope of the company. It retrieves TPS information, aggregates it, and generates reports to help those at the management level know important details of a situation. A KMS is used by employees, customers, management, and other various stakeholders involved with the organization. Transaction Processing Systems A transaction encompasses all of the purchases and sales of products and services, along with any daily business transactions or activities required to operate a company. An OAS can integrate with e-mail or word processing applications to ensure all communication data is easily accessible and in one centralized location. It also assists in the processing of sales order entries, payroll, shipping, sales management, or other routine transactions needed to maintain operations. Primarily, an office automation system assists in enhancing communication among different departments so everyone can collaborate to complete a task. Though organizational growth is optimal for both small and large companies, it comes with many different challenges. 2. By utilizing a TPS, organizations can have a high level of reliability and accuracy in their user/customer data while minimizing the potential for human error. Typical examples of functions performed by an OAS include printing documents, mailing paperwork, mailing, maintaining a company calendar, and producing reports. For example, a KMS may hold competitor data that helps a sales team member optimize his/her strategy when pitching to a customer. 6. For example, a bank manager can use a DSS to assess the evolving loan trends to determine which yearly loan targets to meet. Decision models are programmed into the IS to analyze and summarize large quantities of information and put it into a visual that makes it understandable. This information system also provides intuitive access to external information required by workers who need outside knowledge to complete their roles. Because a KMS shares expertise and provides answers to essential questions, using one can improve communication among team members and assist everyone in meeting performance goals. It ensures that technical abilities are integrated throughout the company while providing visuals to help employees make sense of the data they see. A transaction processing system ensures that all of the contractual, transactional, and customer relationship data is stored in a safe location and accessible to everyone who needs it. This allows a company to maintain a competitive edge, find growth opportunities, and keep an accurate audit trail of financial and transactional data for compliance purposes. Examples of documents found in a knowledge management system include employee training materials, company policies, and procedures, or answers to customer questions. A management information system uses various transaction data from a TPS to help middle management optimize planning and decision-making. Here is an overview of the six types of information systems and how they work: 1. With expansion comes more responsibilities, strategic planning, and the need for better communication. If the data collected by an IS is relevant and accurate, the organization can use it to streamline tasks, pinpoint inefficiencies, and enhance customer service. Examples of typical transactions include billing clients, bank deposits, new hire data, inventory counts, or a record of client-customer relationship management data. Executive Support System Executive support systems are similar to a DSS but are primarily used by executive leaders and owners to optimize decision-making. The owner must track competitors who would like nothing more than to lure away customers. Managers are required to monitor each department to ensure everyone is meeting targets on time. Most of the report formats encompass summaries of annual sales data, performance data, or historical records. This allows leaders to track internal performance, monitor the competition, and pinpoint growth opportunities. Decision Support Systems A decision support system processes data to assist in management decision-making. As a startup evolves from 5 employees to 200, new business units are created to handle specific functions and optimize efficiency. Because a DSS is interactive, management can easily add or delete data and ask important questions. Unlike a DSS, an executive support system provides better telecommunication functionality and a bigger computing functionality. Because the business environment has a wide range of data requirements, business intelligence technology systems help each department manage and organize all of their data in a manner that helps unit members meet key objectives. It stores and gathers the information required for management to take the proper actions at the correct time. By utilizing an office automation system, businesses can improve communication between workers, streamline managerial activities, and optimize knowledge management. Specific Use Cases for Information Systems: Enterprise Resource Planning - Provides organization-wide integration of important business activities, handles the allocation of resources to optimize efficiencyAccounting Information System - Manages all of the accounting information in an organization, including payroll to streamline human resource tasksSales Management System - An information system that manages and monitors all of the sales and marketing data in an organization to streamline each step of the sales process Key Takeaways In conclusion, here are the key takeaways to remember about each type of IS-Transaction processing systems TPS handles all of the customer and employee transaction data so an organization can streamline workflows and easily retrieve the required information.An office automation system manages all of the clerical and managerial daily tasks in a business to help optimize communication and improve collaboration efforts.A knowledge management system handles expertise on a variety of subjects and assists in knowledge-sharing so users can become more informed and enhance their job performance.An information system MIS uses processing system TPS data to help middle managers optimize decision-making and monitor performance.A support system DSS processes information to help managers make the right choices at the right time.An executive system information system manages all of the required information needed for enterprise leaders to monitor the competition, track internal performance, and pinpoint growth opportunities. This provides a secure and systemized way for managers to meet their targets and oversee business units. Summaries and comparisons are utilized to allow senior managers to optimize the decision making process to achieve better results. Information System Classification: Operational Management - Includes transaction processing system, office automation system, and knowledge management system, handles structured data, and used by workers and employees to streamline daily operationsTactical Management - Used by business unit managers, handles semi-structured data, and includes management information systemsStrategic Management - Used by executives, handles unstructured data, and includes the decision support system and executive support system Most businesses utilize six different information technology systems, each with functionality that assists in managing a particular business unit or organizational level. Office Automation Systems An office automation system is a network of various tools, technologies, and

people required to conduct clerical and managerial tasks. 3. Graphics software is integrated within an ESS to display data about tax regulations, new competitive startups, internal compliance issues, and other relevant executive information. Successful companies typically employ six different systems to ensure that every aspect of the organization's data is properly managed and used to improve decision-making and problem-solving. Knowledge Management Systems A knowledge management system stores and extracts information to help users enhance their knowledge and optimize collaboration efforts to complete tasks. 5. This provides the evidence required for mid-management to make the right choices that will ensure the company meets its targets. These new requirements make it essential to have an information system in place that uses artificial intelligence to allow employees and managers to communicate, collaborate, and quickly process transactions. An expert system helps enterprise leaders find answers to non-routine questions so they can make choices that improve the company's outlook and performance.

All good information has the following characteristics: Subjectivity: The value and usefulness of information are highly subjective, because what is information for one person may not be for another. Relevance: Information is good only if it is relevant - that is, pertinent and meaningful to the decision maker. 2020-7-5 · Given below are five important characteristics of information: Accuracy. Accuracy of data plays vital role in helping the decision making. So as accurate the information will be, better will be decision making. Accuracy of information means the ratio of correct information to the total information gathered over certain time period. 2021-8-6 · Decision-makers often face situations wherein they are interested in testing hypotheses on the basis of available information and then take decisions on the basis of such testing. A researcher's hypothesis is a formal question that he intends to resolve. Some of the characteristics of the hypothesis are being: Five characteristics of high quality information are accuracy, completeness, consistency, uniqueness, and timeliness.Information needs to be of high quality to be useful and accurate. The information that is input into a data base is presumed to be perfect as well as accurate. Availability is the characteristic of information that enables user access to information without interference or obstruction and in a required format. A user in this definition may be either a person or another computer system. Availability does not imply that the information is accessible to any user; rather, it means availability to ... 22 小时前 · The aim of this study was to evaluate the effect of the addition of hazelnut or walnut flour on the rheological properties of flour and wheat dough (WD). The research material was a system in which wheat flour was replaced with flour based on hazelnuts (HF) or walnuts (WF), i.e., nut flour, in the amounts of 5%, 10% and 15% (WDH, WDW). As a part of the research ... 2022-1-20 · Any sketch usually has the following characteristics: Freehand, without precision elements. Done quickly, with simple lines and general details. It must be linear, schematic, at most shaded. It must be clean, clear, precise and give a complete image of what is sought. It must respect the proportions of the copied or imagined reality. Five characteristics of high quality information are accuracy, completeness, consistency, uniqueness, and timeliness.Information needs to be of high quality to be useful and accurate. The information that is input into a data base is presumed to be perfect as well as accurate. 2020-9-21 · Verifiable information is reliable information, and only reliable information will be used by the stakeholders for decision-making purposes. Comparability and consistency. Comparability of information is a characteristic which helps the users to identify similarities and differences among various items. 2018-9-28 · Core Characteristics of Information One of the most important attributes of computer information is related to accessibility. Regardless of how you define computer information, you must include the ability to access that information. After all, the vast majority of functions taking place within a computer are designed to facilitate the transfer ... 2022-1-18 · The characteristics of the management information system (MIS) are as follows -. Management information system (MIS) supports structured and semi-structured decision at the operational and management controlled level. MIS generally reporting and control oriented. They are designed to report on existing operation, and thereof to help provided ... 2022-1-18 · Information quality can have many different definitions. When users describe issues with data, they talk about inaccurate data, data that is not relevant, data that is not timely, as well as having too much information. The work done as part of the Massachusetts Institute of Technology (MIT) research concerning data quality conducted by Richard ... 2021-8-6 · Decision-makers often face situations wherein they are interested in testing hypotheses on the basis of available information and then take decisions on the basis of such testing. A researcher's hypothesis is a formal question that he intends to resolve. Some of the characteristics of the hypothesis are being: 2022-1-20 · Accounting Information We explain what accounting information is and what it is for. Also, what are the main characteristics of this information. 2021-12-24 · Most popular works. Some of the best known works of Greek literature of the time are: The Iliad. The odyssey. The theban cycle: Oedipus the King, Oedipus in Colonus, Seven against Thebes, Antigone, The supplicants, The Phoenicians. The oresteia: Agamemnon, The coeфорas, The eumenides. The Works and days. The Theogony. 2020-5-21 · Quality of information is an important concept.Information quality is a multi-attribute concept. If the attributes that define quality of information are of good quality or of high value then the information is said to have good quality.Normally, the higher the accuracy of the information, the better is its quality.