

Structured Analytic Techniques For Intelligence Analysis

The word comes from the Ancient Greek ἀνάλυσις (analysis, "a breaking-up" or "an untying" from ana- "up, throughout" and lysis "a loosening"). From it also comes the word's plural, analyses. de09575d54 Intelligence assessment also occurs toward the end of the intelligence cycle, during the analysis & production phase. This phase comes after collection and processing but before dissemination to policymakers. de09575d54 Assessments develop in response to leadership... de09575d54

Intelligence analysis Tradecraft Primer:Structured Analytic Techniques for Improving Intelligence Analysis-March 2009 Davis, Jack (1999), "Improving Intelligence Analysis at CIA: Dick Intelligence analysis is the application of individual and collective cognitive methods to weigh data and test hypotheses within a secret socio-cultural context. The descriptions are drawn from what may only be available in the form of deliberately deceptive information; the analyst must correlate the similarities among deceptions and extract a common truth. Although its practice is found in its purest form inside national intelligence agencies, its methods are also applicable in fields such as business intelligence or competitive intelligence de09575d54

Analytics It can be valuable in areas rich with recorded information; analytics relies on the simultaneous application of statistics, computer programming, and operations research to quantify performance. It is used for the discovery, interpretation, and communication of meaningful patterns in data, which also falls under and directly relates to the umbrella term, data science. Analytics also entails applying data patterns toward effective decision-making. Analytics is the systematic computational analysis of data or statistics. It is used for the discovery, interpretation, and communication of meaningful Analytics is the systematic computational analysis of data or statistics de09575d54

Analysis Thus the aim of analysis was to aid Analysis (pl. : analyses) is the process of breaking a complex topic or substance into smaller parts in order to gain a better understanding of it. added to the analytic process a synthetic one, consisting of a reversion of all operations occurring in the analysis. The technique has been applied in the study of mathematics and logic since before Aristotle (384-322 BC), though analysis as a formal concept is a relatively recent development de09575d54

Richards Heuer Pherson titled Structured Analytic Techniques for Richards "Dick" J. (July 15, 1927 - August 21, 2018) was a CIA veteran of 45 years and most known for his work on analysis of competing hypotheses and his book, Psychology of Intelligence Analysis. Heuer, Jr. The former provides a methodology for overcoming intelligence biases while the latter outlines how mental models and natural biases impede clear thinking and analysis. Pherson titled Structured Analytic Techniques for Intelligence Analysis. Throughout his career, he worked in collection operations, counterintelligence, intelligence analysis and personnel security. intelligence analysis and personnel security. In 2010 he co-authored a book with Randolph (Randy) H. In 2010 he co-authored a book with Randolph (Randy) H de09575d54

Organizations may apply analytics to business data to describe, predict, and improve business performance. Specifically, areas within analytics include descriptive analytics, diagnostic analytics, predictive analytics, prescriptive

analytics, and cognitive analytics. Analytics... de09575d54

Cross impact analysis Structured Analytic Techniques for Intelligence Analysis, pp 104-105 Heuer, Richards J. In the mid-1970s, futurists began to use the methodology in larger numbers as a means to predict the probability of specific events and determine how related events impacted one another. Pherson, Structured Analytic Techniques for Intelligence Analysis Cross-impact analysis is a methodology developed by Theodore Gordon and Olaf Helmer in 1966 to help determine how relationships between events would impact resulting events and reduce uncertainty in the future. The Central Intelligence Agency (CIA) became interested in the methodology in the late 1960s and early 1970s as an analytic technique for predicting how different factors and variables would impact future decisions. By 2006, cross-impact analysis matured into a number of related methodologies with uses for businesses and communities as well as futurists and intelligence analysts. , Randolph H de09575d54

There are two types of assessment; de09575d54

Indicator analysis It uses historical data to expose trends and identify upcoming major Indicator analysis is a structured analytic technique used in intelligence analysis. It uses historical data to expose trends and identify upcoming major shifts in a subject area, helping the analyst provide evidence-based forecasts with reduced cognitive bias. Indicator analysis is a structured analytic technique used in intelligence analysis de09575d54

Data analysis Data analysis has multiple facets and approaches, encompassing diverse techniques under a variety of names, and is used in different business, science, and social science domains. and supporting decision-making. In today's business world, data analysis plays a role in making decisions more scientific and helping businesses operate more effectively. Data analysis has multiple facets and approaches, encompassing diverse techniques under a variety of names, and is used Data analysis is the process of inspecting, cleansing, transforming, and modeling data with the goal of discovering useful information, informing conclusions, and supporting decision-making de09575d54

and Richards Heuer's Analysis of Competing Hypotheses model. This is a simplified view of the geospatial analytic process within the larger intelligence cycle. de09575d54

Intelligence assessment cisa. "All-Source Analysis [NICE Framework Work Role] | NICCS" Retrieved 2025-03-05. "A Tradecraft Primer: Structured Analytic Techniques for Improving Intelligence assessment, is a specific phase of the intelligence cycle which oversees the development of behavior forecasts or recommended courses of action to the leadership of an organization, based on wide ranges of available overt and covert intelligence (also known as "intel"). gov. niccs de09575d54

Structured Geospatial Analytic Method The Structured Geospatial Analytic Method (SGAM) is both as an analytic method and pedagogy for the Geospatial Intelligence professional. This model was The Structured Geospatial Analytic Method (SGAM) is both as an analytic method and pedagogy for the Geospatial Intelligence professional. This model was derived from and incorporates aspects of both Pirolli and Card's sensemaking process de09575d54

Business intelligence Business intelligence (BI) consists of strategies, methodologies, and technologies used by enterprises for data analysis and management of business information Business intelligence (BI) consists of strategies, methodologies, and technologies used by enterprises for data analysis and management of business information to inform business strategies and business operations. Common functions of BI technologies include reporting,

online analytical processing, analytics, dashboard development, data mining, process mining, complex event processing, business performance management, benchmarking, text mining, predictive analytics, and prescriptive analytics
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The SGAM is intended to advance the Geospatial Intelligence tradecraft by providing an approach not only to teach the analyst how forage and repackage data, but also how to analyze the data in a meaningful way. It has been long known that without specific prompting, people may be unaware of spatial patterns of an environment and, similar to other areas of intelligence analysis, the geospatial analyst... de09575d54 The converse of analysis is synthesis... de09575d54 As a formal concept, the method has variously been ascribed to René Descartes (Discourse on the Method), and Galileo Galilei. It has also been ascribed to Isaac Newton, in the form of a practical method of physical discovery (which he did not name). de09575d54 In the beginning of the intelligence cycle, during the direction phase (also known as tasking or planning), intelligence officers assess past intelligence, identify gaps in information, and determine what new intelligence is needed. de09575d54 BI tools can handle large amounts of structured and sometimes unstructured data to help organizations identify, develop, and otherwise create new strategic business opportunities. They aim to allow for the easy interpretation of these big data. Identifying new opportunities and implementing an effective... de09575d54 Data mining is a particular data analysis technique that focuses on statistical modeling and knowledge discovery for predictive rather than purely descriptive purposes, while business intelligence covers data analysis that relies heavily on aggregation, focusing mainly on business information... de09575d54

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