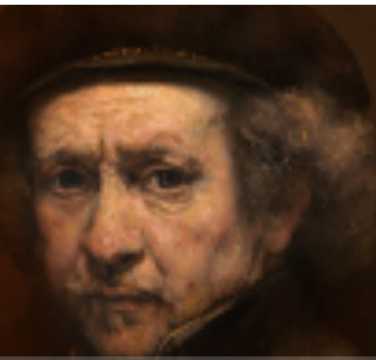


The Art of Data Science



Analytics & Data Science

Data Engineering

Data Visualization

The Science

Data Science is about the business of extracting meaning from and interpretation of data, which requires programming skills, tools and methods from statistics, mathematics and machine learning and the ability to present the information that identifies cause and likely outcomes.

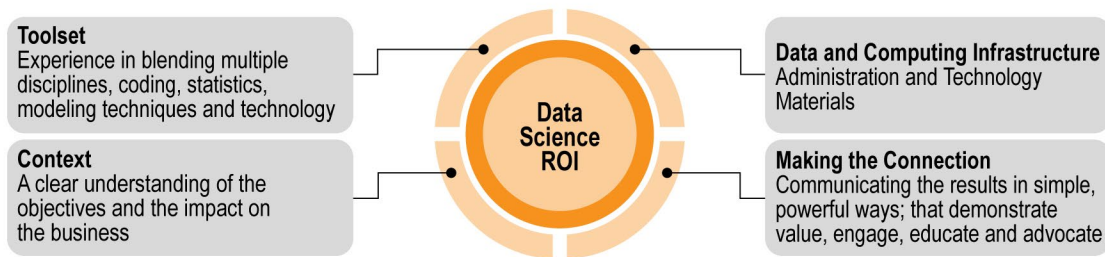
Analytics and Data Science: Data science enables the use of theoretical, mathematical, computational and other practical methods to study and evaluate data. The key objective is to extract required or valuable information that can be used for decision making that is descriptive, predictive, or prescriptive in nature. Data science concepts and processes are derived from data engineering, statistics, programming, social engineering, machine learning and natural language processing, among others.

Data Engineering: Data is a strategic asset. Knowesis has supported federal clients through their journeys from traditional on-premises data warehousing (ETL approach) to cloud-based data lake (ELT approach). Data lake provides a 360-degree analytics platform for both structured and unstructured data for machine learning and big data analytics in mind, where the data can be accessed faster with high throughput speed and can scale exponentially.

Data Visualization and Enterprise Reporting: Our visualization solution uses contextual visual design to create engaging, interactive content that distills large amounts of data as well as enabling them to look at their underlying components. Our technique integrates data from different sources into one highly interactive display so that users can quickly and effectively see the 'big picture' hidden in reams of data and volumes of reports. In addition, Knowesis also employs data journalists to develop infographics to visually story-tell complex quantitative data.

The Art

How intuition and business acumen come in, how storytelling and visualization drive business outcomes:



Imprint

business function. Using these templates, tools and techniques, we are quickly able to 'speak' the language of the organization and understand the business challenges at hand. IMPRINT is designed specifically for federal agency operational requirements. Post implementation, the IMPRINT analytic product development cycle, provides a common framework for any analytic endeavor, from augmented analytics, predictive modeling and visualization to program evaluations and social science research.

IMPRINT is our unique implementation process that addresses the most critical aspect of decision science, the business context. IMPRINT uses immersion techniques like those found in intensive language study programs whereby they are embedded in the day-to-day work of the


Knowesis

Services Include

- Descriptive, Predictive and Prescriptive Modeling
- Data Visualization
- Statistical Support Services
- Natural Language Processing
- Artificial Intelligence
- Computational Programming Skills (R, Python, SQL, Java, Julia)
- Decision Science Computing Platform Architecture (AWS Hadoop, Hive, Spark)
- Data Science Training and Community Leadership
- Data Engineering
- Enterprise Reporting
- Self Service Business Intelligence
- Metric Development
- Dashboard Development
- Infographics



Contact Us

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NAICS Codes

Knowesis is registered in the System for Award Management (SAM) for all NAICS codes in the 541XXX Series. In addition, we are registered for the following codes as a small business.

- 511210 Software Publishers
- 512110 Motion Picture and Video Production
- 512191 Tele-production and Other Postproduction Services
- 518210 Data Processing, Hosting, and Related Services
- 519130 Internet Publishing and Broadcasting and Web Search Portals
- 519190 All Other Information Services
- 541511 Custom Computer Programming Services
- 541512 Computer Systems Design Services
- 541513 Computer Facilities Management Services
- 541519 Other Computer Related Services
- 541713 Research and Development in Nanotechnology
- 541714 Research and Development in Biotechnology (except Nanobiotechnology)
- 541715 Research and Development in the Physical, Engineering, and Life Sciences
- 561210 Facilities Support Services
- 561320 Temporary Help Services
- 561410 Document Preparation Services
- 624230 Emergency and Other Relief Services

Cage Code: 512C0

DUNS: 807821579

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Government Contracting

Knowesis is an SBA certified Woman Owned Small Business 8(m) program participant.

Knowesis has also certified with the Department of Veterans Affairs' Center for Veterans Enterprise (CVE) as a Service Disabled Veteran Owned Small Business (SDVOSB).

For more information about these programs and how to use directed awards, visit our website at www.knowesis-inc.com.



SBA WOSB
Woman Owned Small Business

Government Contract Vehicles

We invite you to utilize the following contract vehicles, Indefinite Delivery Indefinite Quantity (IDIQ)s and Blanket Purchase Agreements (BPA)s for fast and convenient access to our experts and services. Vehicles noted with an asterisk (*) indicate Knowesis' participation as a team member.

GSA Multiple Award Schedule (MAS) (formerly PSS) Contract Number

GS-10F-0165W and Contract Number 47QTCA-18D-00BV (formerly IT70)

SIN categories 512110, 541330ENG, 541430, 541511, 54151S, 541611, 541612HC, 541613, 541613, 541715, 541810, 541820, 541910, 561920, 611430, 611512, and OLM

GSA 8(a) Stars III Contract Number 47QCTB-21D-0238, valid through 07/01/2026

One Acquisition Solutions for Integrated Services (OASIS)

SB Pool 1 (Small Business) and OASIS SB Pool 4 (Small Business)*

Agency Specific Vehicles

Department of Defense (DoD)

Department of the Navy SeaPort Next Generation (SeaPort-NxG) #N0017821D9165, valid through 01/01/2029
 USAMRAA Research Activities Support Services (RASS) #W81XWH-18-D-004, valid through 11/12/2027
 Information Analysis Centers Multiple Award Contract (IAC MAC)* #FA8075-18-D-0004, valid through 09/29/2023
 Defense Health Agency Health Plan Innovation Support (HPIS) BPA*
 U.S. Air Force Materiel Command, 711th Mission Support Services*
 Defense Information Security Agency Systems Engineering, Technology and Innovation (SETI)*

Department of Health and Human Services (HHS)

SAMHSA DHHS IDIQ – Domain 3S (Analytics/Policy) #HHSS282301700053I, valid through 02/20/2022

Department of Veterans Affairs (VA)

Agile Delivery of VA Imminent Strategic and Operational Requirements (ADVISOR)*
 VA Transformation Twenty-One Total Technology Next Generation (T4NG)* (Both large and small business tracks)



The Work

Knowesis is currently supporting the following federal clients with these services:

Department of Defense

- U.S. Special Operations Command, Protection of the Force and Family – Human Performance Data Science
- Defense Health Agency, Vision Center of Excellence – Natural Language Processing for Health Information
- OSD Personnel and Readiness Office for Diversity, Equity, and Inclusion – Program Analytics
- Air Force Security Assistance Center – Data Science, Data Engineering, and Data Visualization
- Air Force Medical Readiness Agency – Data Science, Data Visualization, and Data Engineering
- Air Force Medical Readiness Agency – Mental Health Readiness Program Evaluation Enhancement
- Office of Inspector General – Data Visualization Services