



Data-Driven Horizon Scanning

Analytics-Based Semantic Search

Spotting disruptive and emerging technology trends is essential for the government to remain competitive across the globe and to accomplish its varied missions effectively. Technology advances have implications for U.S. national security, our economy, and even our cultural evolution. However, accessing, consolidating, and evaluating data can be extremely time-consuming. Data-Driven Horizon Scanning (DDHS) uses the latest data analytics techniques to pull data from a variety of sources and analyze the lifecycle of a technology trend without relying on heavy manual processes.

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Transforming Noise into Insights

DDHS leverages natural language processing (NLP) techniques to uncover trends by examining research, patents, and investment data across the globe. The tool enables a user to search for a specific term and view data and visualizations—including related institutions, people, companies, articles, books, and other texts—from a variety of data sources. It proposes related terms and concepts to assess important tangential ideas. DDHS informs several areas.



Technology Scouting. NLP and modeling uncover top research areas and related topics to stay ahead of the curve. DDHS visualizations show a term's popularity and growth over time. It tracks exponential growth of a topic, revealing spikes that signal an emerging trend.



Expert Identification. DDHS finds the names of experts associated with search terms. It associates these experts with institutions and countries, enabling the user to understand what players across the globe are leading or lagging on a certain topic to inform recruitment and collaboration opportunities.

About Us

LMI is a consultancy dedicated to powering a future-ready, high-performing government, drawing from expertise in digital and analytic solutions, logistics, and management advisory services. We deliver integrated capabilities that incorporate emerging technologies and are tailored to customers' unique mission needs, backed by objective research and data analysis. Founded in 1961 to help the Department of Defense resolve complex logistics management challenges, LMI continues to enable growth and transformation, enhance operational readiness and resiliency, and ensure mission success for federal civilian and defense agencies.

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