

CAPABILITIES STATEMENT

Lexical Intelligence brings together technical capability, analytical experience, and deep subject matter expertise to deliver AI solutions to policy and decision makers in the Federal Government as well as the private sector.

SOFTWARE: AI solutions that complement, augment, or refresh your workflow

NIH DATA AND SYSTEMS

- Detailed working knowledge of the IMPAC II data environment including table structure, SQL queries, and data processes
- Substantial expertise with batch PDF-to-text conversion, character encoding, name disambiguation, data linking and deduplication.
- Comprehensive experience with NIH systems including QVR, RCDC, SPIRES, clinicaltrials.gov, RePORTER and ExPORTER.

APPLICATION DEVELOPMENT

- Search and retrieval
- Data visualization

CONTENT ANALYSIS

- Machine learning
- Text classification
- Semantic analysis
- Document clustering
- Name disambiguation
- Thesaurus creation and management
- High-volume entity extraction software

CONSULTING: Multidisciplinary team of software engineers, data scientists, economists, statisticians, and biologists

PORTFOLIO/PROGRAM/POLICY ANALYSIS

- Research portfolio analyses: grants, publications, patents, data visualization, measuring impact
- Report generation, including high-level summaries, detailed reports, or white papers.
- Expertise in analytic tools including text mining, network, statistical analysis, data visualization
- Prepare and link data
- Data quality/cleaning
- RFI analysis

TRAINING: Customized training that specifically meets your needs

- Data science/AI for leaders, managers, and practitioners
- Implementing AI into existing workflows
- Comprehensive training in the use of research assessment and portfolio analysis methods and tools

TALENT ACQUISITION: Highly qualified candidates supported by a team with broad expertise

NAICS

541511 Custom Computer Programming Services
541690 Other Scientific and Technical Consulting Services

CAGE CODE 71GQ3
D & B 079181336

Safinia is a secure, cloud-based artificial intelligence platform that enhances people's abilities to make high-value decisions quickly. Safinia's suite of collaborative AI tools provides decision-makers in the life sciences with the real-time knowledge they need to drive health research and innovation. Safinia's features include Entity Awareness, Research Intelligence, and Decision Assist.



Natural Language Understanding

No more filters or checkboxes – Safinia connects people to answers by understanding their search and returning the right information. A single question is worth a thousand clicks.

Decision Assist uses artificial intelligence to collaboratively determine areas of research that actively inform forward decision making. Decision Assist uses highly scalable machine learning techniques to organize and present the knowledge that it learns from very large data sets.

Entity Awareness provides the ability to recognize and disambiguate people, places, and things (drugs, diseases, devices, treatments, organizations) across and within data sets. Messy data is automatically cleaned and linked using state-of-the-art machine learning and computational semantic models.

Research Intelligence enables proprietary data overlays against a vast biomedical research and funding landscape to identify unique touchpoints and insights that no one else has into custom data sets.