

BUSINESS SUMMARY

Lexical Intelligence provides software and services related to understanding and processing scientific information content to assist policy and decision makers.

CAPABILITIES

Content Analysis

Biomedical natural language processing

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

Application Development

- Search and retrieval
- Data visualization
- Portfolio analysis

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.

Portfolio/Program/Policy Analysis

- Trans-NIH and Inter-agency analyses: grants, publications, patents
- Report generation, including high-level summaries, detailed reports, or white papers.
- Expertise in analytic tools including text mining, network, statistical analysis, data visualization

Services

- Consulting
- Perform analyses (independently/part of team) and prepare data visualizations
- Report generation, including high-level summaries, detailed reports, or white papers.
- Prepare and link data
- Data quality/cleaning
- Training in the use of portfolio analysis methods and tools

NAICS

541511 Custom Computer Programming Services

541690 Other Scientific and Technical Consulting Services

CAGE CODE

71GQ3

D & B

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