

NUMANTIC SOLUTIONS

Numantic Solutions is a data consultancy **helping organizations leverage their data assets** assisting throughout the data lifecycle from collection and curation to analysis and insights to real time, production machine learning models.

Numanticsolutions.com

CORE COMPETENCIES:

- **Advanced Data Engineering** – Data engineering, ETL processes, structured and unstructured types, storage and management, and database design and optimization
- **Machine Learning & AI Solutions** – Intelligent model development for generative AI, predictive analytics, natural language processing, and image handling
- **Custom Data Visualization & Dashboards** – Interactive and intuitive analytics using open-source and cloud tools
- **Sensor & Measurement Analytics** – Processing and analysis of real-time sensor data for informed decision-making
- **Technical Product Management** – End-to-end development and execution of product strategies leveraging data
- **Research & Development** – Cutting-edge innovation in statistical modeling, automation, and AI-driven applications

Your data is a
STRATEGIC ASSET

Strategic data helps
organizations **further**
their missions
and
differentiate their
services

DIFFERENTIATORS:

- | | |
|--|---|
| • Custom Machine-Learning and AI Solutions | • Effective and Efficient Data Curation |
| • Scalable Cloud Infrastructure | • Cross-Industry Applications |
| • Innovative Visualization Techniques | • Strong Product Management and R & D Focus |

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LEARN MORE ABOUT OUR WORK



Project: Building student resilience in schools

Observations

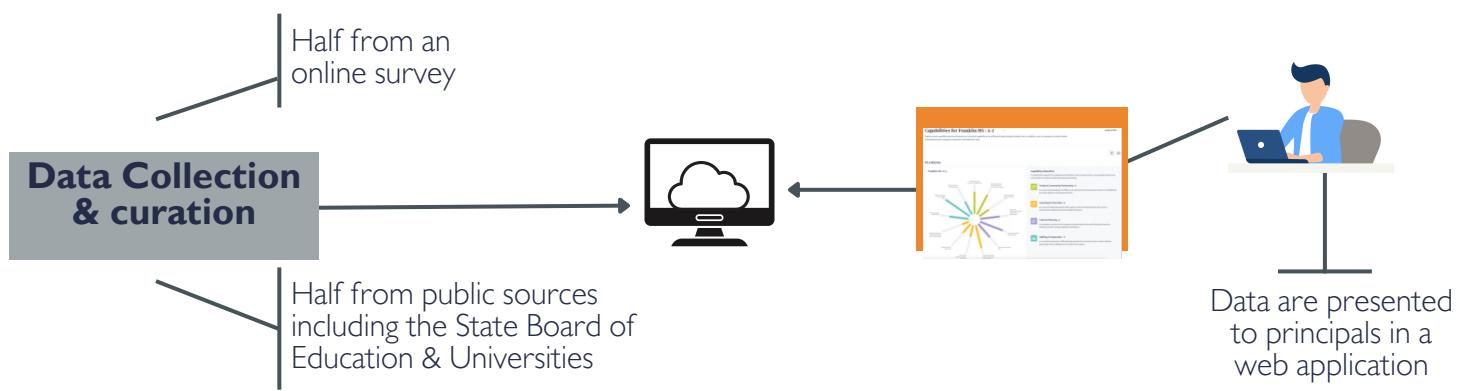
- Relevant, individualized data can help schools support students
- Public and proprietary data sources can be combined to provide powerful datasets
- Individualized data can be effectively provided through web tools
- Costs are manageable

Objective

- Provide data-driven tools to help schools identify improvement opportunities for student mental health supports

Value

- Individual school and benchmark data helps principals and other leaders identify focus areas



Project: Measuring social media sentiment

Observations

- Social media can be a data source
- Proprietary dataset construction is possible using platform application programming interfaces (API), website scrapping and open-source tools
- AI and machine learning can be used to structure text data, find relevant content and assess sentiment

Objective

- Build a sentiment analysis tool to inform policy decisions and counter misinformation

Approach

- Build a natural language processing (NLP) sentiment analysis tool pulling relevant Reddit posts and X (Twitter) tweets and assess sentiment about homelessness

