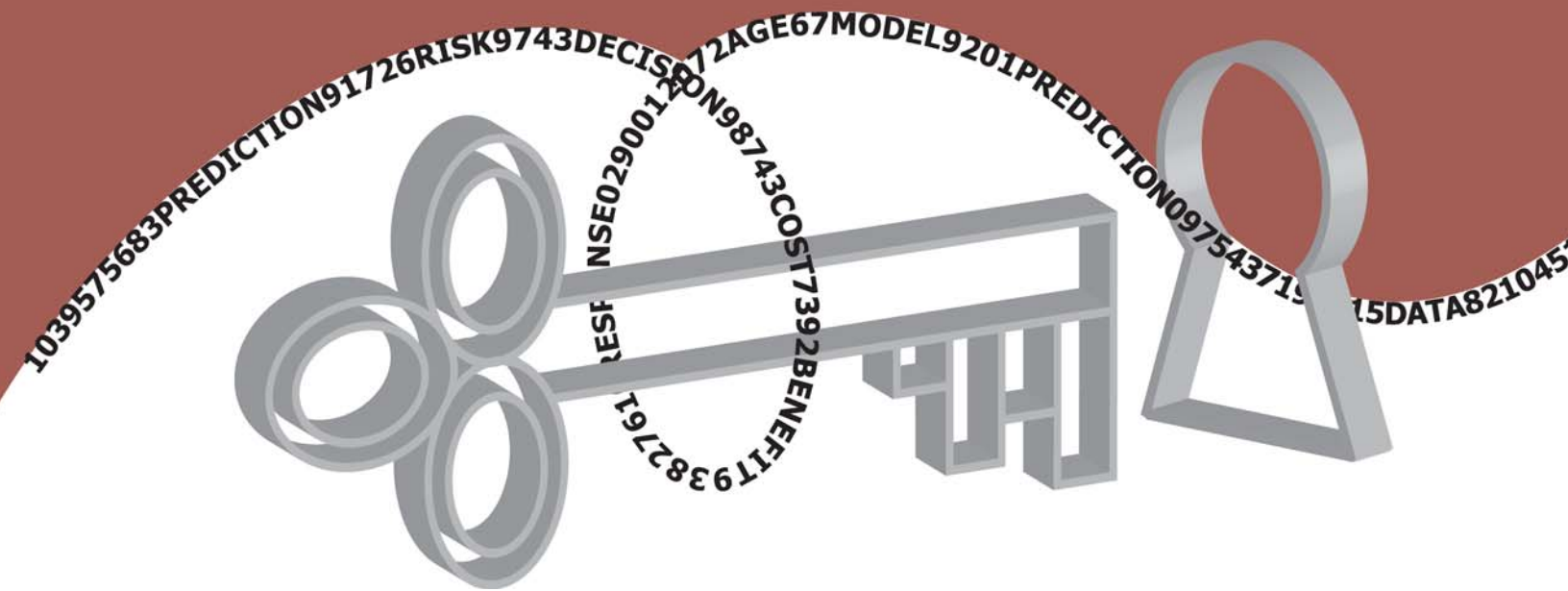# PolyAnalyst 6

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PolyAnalyst 6

Modern organizations have access to abundant sources of data. These sources contain jewels of useful knowledge. Yet, bits of knowledge are hard to discover because they are hidden in large volumes of raw data. To complicate the situation further, the dominant part of data is stored as text and cannot be analyzed by standard statistical tools. Overwhelmed by the glut of data, organizations are seeking automated analytical tools of a new generation.

PolyAnalyst is a multi-strategy tool for knowledge discovery in large volumes of text and structured data. The system enables you to answer diverse business questions by learning from historical data and predicting outcomes of future situations. You can perform numerous text and data analysis tasks:

- Categorization
- Clustering
- Prediction
- Pattern learning
- Trends analysis
- Anomaly detection
- Link analysis
- Association analysis
- Entity extraction
- Graphical reporting

PolyAnalyst offers a broad selection of tools for data integration, cleansing, manipulation, visualization and modeling, enhanced with flexible reporting capabilities, and alert generation. Using a simple drag-and-drop interface, you can easily develop multi-step data analysis scenarios without writing complicated scripts.

The proven scalability of PolyAnalyst enables organizations to efficiently process gigabytes of data. PolyAnalyst client/server implementation ensures high performance and enables user collaboration and task scheduling. The 64-bit and cluster server architecture further enhance the system productivity. Strict security facilitates deployment in data-sensitive environments.
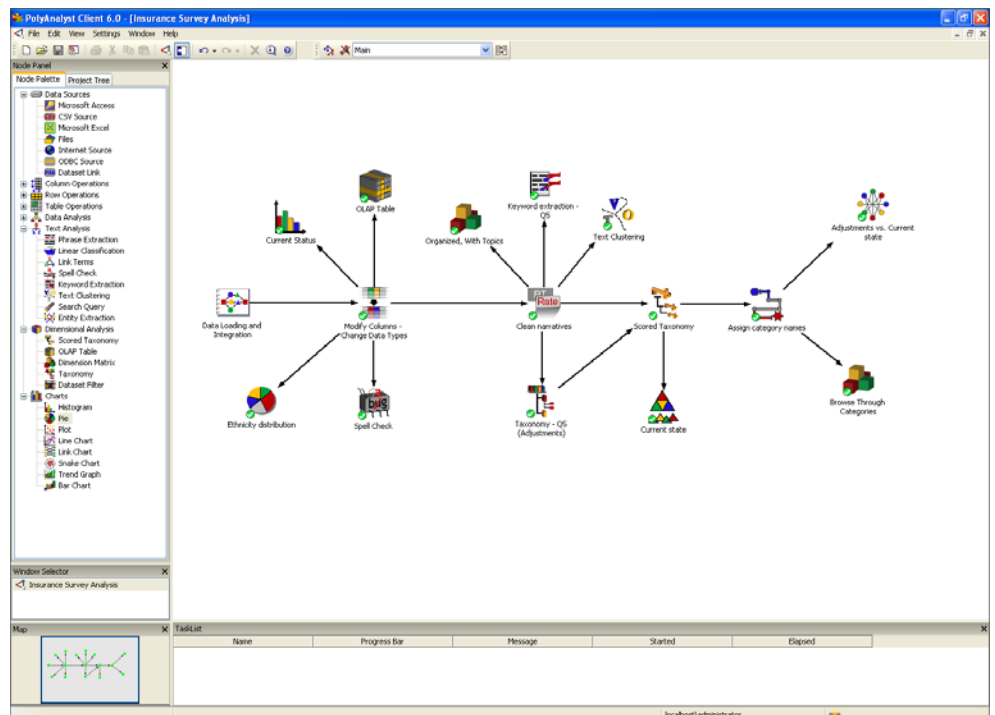
PolyAnalyst 6 enables you to

- Derive actionable knowledge from mixtures of text and structured data

- Predict future outcomes by learning from historical data

- Create data analysis scenarios with an intuitive drag and drop interface

- Integrate data from various sources without hassle

- Perform data-driven exploratory analysis

- Collaborate on project design and results generation with colleagues

- Display key results in easy to comprehend interactive reports

- Share reports with colleagues across the organization

- Schedule analysis scenarios to run at your convenience

" The ability of PolyAnalyst to perform on-the-fly integration of data from disparate sources is of paramount importance for a pharmaceutical company with highly fragmented data. "

Robert Gruninger
Senior Scientist, Drug Discovery
Large Pharmaceutical Company

PolyAnalyst supports the complete data analysis process:

- Loading and integration

- Manipulation and cleansing

- Exploratory analysis

- Natural language processing

- Machine learning and modeling

- Interactive visualization

- Report generation

- Model deployment

- Task scheduling

Application Fields

Cross-industry

- Data integration
- Survey analysis
- Call center data analysis
- Competitive intelligence

Finance and insurance

- Fraud and abuse detection
- Risk analysis
- Subrogation prediction
- Customer retention analysis
- Claims notes analysis

Pharmaceuticals

- Drug safety reports analysis
- Pre-clinical and clinical studies analysis
- Academic publications and IP research

Consumer Products

- Complaints analysis
- Support communications analysis
- Repair and warranty notes analysis

Government

- Incident reports analysis
- Macro-economic parameters prediction

Healthcare

- Executive analytics dashboards
- Utilization management
- Disease management
- Doctor notes analysis

Retail

- Cross-sell analysis
- Shopper experience improvement
- Inventory forecasting
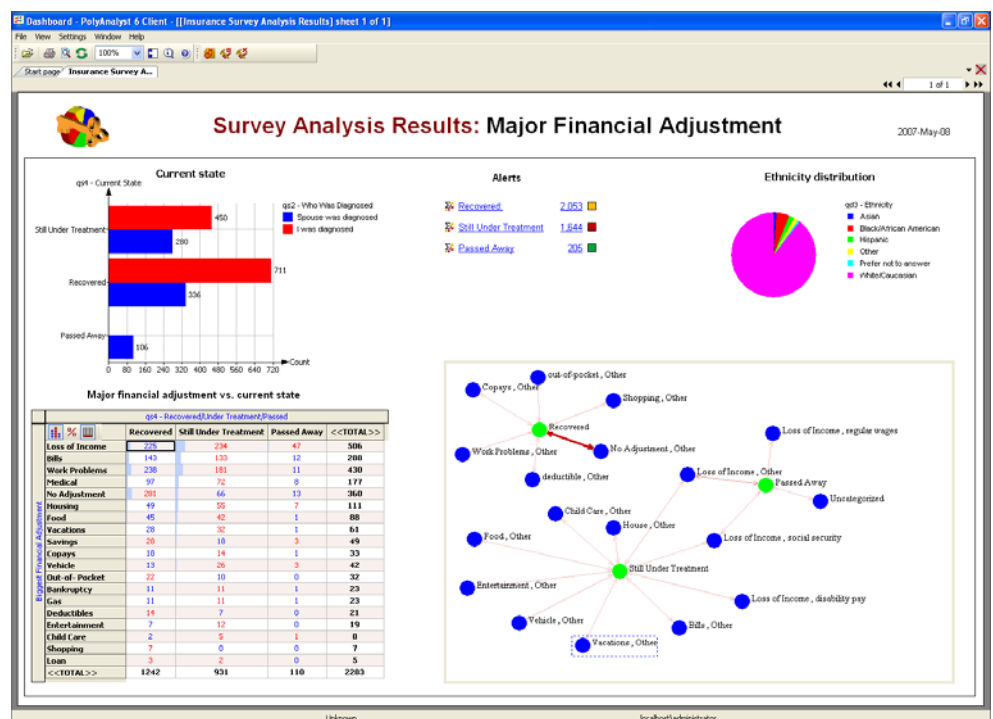
Marketing and Market Research

- Response prediction
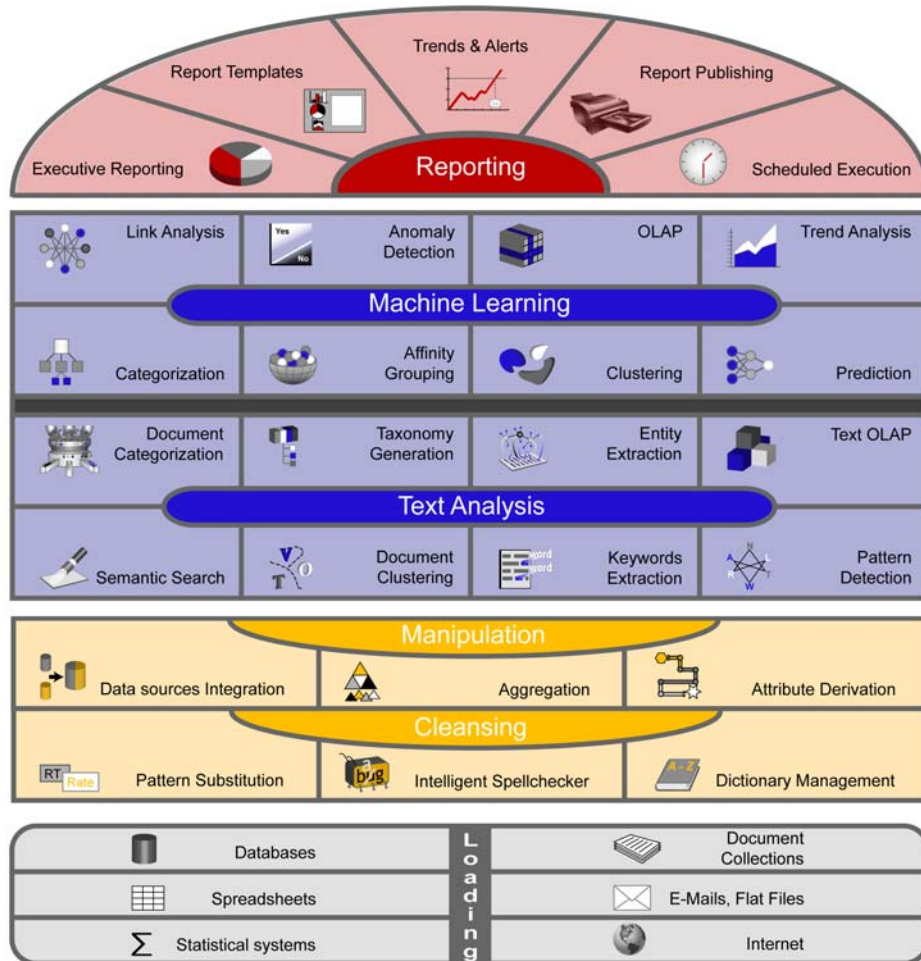- Market segmentation
- Customer valuation

PolyAnalyst directly serves the needs of two types of users:

- **Data Analysts** design data analysis scenarios through a simple drag-and-drop interface and create custom reports summarizing their findings

- **Business Users** view interactive reports and executive dashboards displaying key results in easy to comprehend graphical format

PolyAnalyst 6 features

Reporting
- Report Templates
- Trends & Alerts
- Report Publishing
- Executive Reporting
- Scheduled Execution

Machine Learning
- Link Analysis
- Anomaly Detection
- OLAP
- Trend Analysis
- Categorization
- Affinity Grouping
- Clustering
- Prediction

Text Analysis
- Document Categorization
- Taxonomy Generation
- Entity Extraction
- Text OLAP
- Semantic Search
- Document Clustering
- Keywords Extraction
- Pattern Detection

Manipulation
- Data sources Integration
- Aggregation
- Attribute Derivation

Cleansing
- Pattern Substitution
- Intelligent Spellchecker
- Dictionary Management

Loading
- Databases
- Document Collections
- Spreadsheets
- E-Mails, Flat Files
- Statistical systems
- Internet

Next steps
To discuss your project or to schedule a live web demo of PolyAnalyst 6:

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(812) 330-0110

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