Next Generation Big Data Technologies Advance Biosurveillance Capabilities

Praedico® is a state of the art biosurveillance toolset from Bitscopic designed for the early detection, monitoring, and forecasting of infectious disease outbreaks. The toolset incorporates cloud computing, big data technologies, and both statistically-based and machine learning algorithms all within a user friendly interface. The product supports multiple electronic health record (EHR) platforms, customizable social media streaming, and other structured and unstructured data types including the ability to import patient data from other agencies. Praedico includes comprehensive analysis tools and user defined reporting.

Machine learning, which refers to self-improving algorithms, brings a new level of precision to biosurveillance. The algorithms can be trained to understand context as they analyze real world data. This enables more accurate prediction and detection of events with significantly fewer false alerts.

To learn more about Praedico's advanced biosurveillance capabilities visit www.bitscopic.com.

BENEFITS

Scalable

- Integrates big data technologies for unlimited scalability

- Distributed computing architecture for high performance data analysis

Secure

- Enterprise security features with role based data access

- Robust auditing capabilities to ensure compliance

Algorithmic Flexibility

- Statistical analysis tools

- Machine learning techniques

- Auto-tuning algorithms

FEATURES

- Intuitive easy to use interface for analysis and visualization

- Rapid and efficient integration of new data from disparate sources

- Data migration from existing systems to an integrated data mart

- Multi-faceted algorithmic capabilities that is fully customizable

- Alerts and alarms filtered by urgency

- Ad hoc data gathering, analysis on demand

- Advanced visualization and mapping feature set

- Comprehensive analysis and reporting tools

Praedico offers an intuitive user friendly interface and advanced visualization features.

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For more information, visit www.bitscopic.com.

Bitscopic Inc. specializes in applying the latest advances in the fields of distributed computing and machine learning to biosurveillence and related areas.