First SIAM International Conference on Data Mining

Tutorial on 5 April 2001

E-commerce and Clickstream Mining Vendor Slides

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#### Vendor Slides

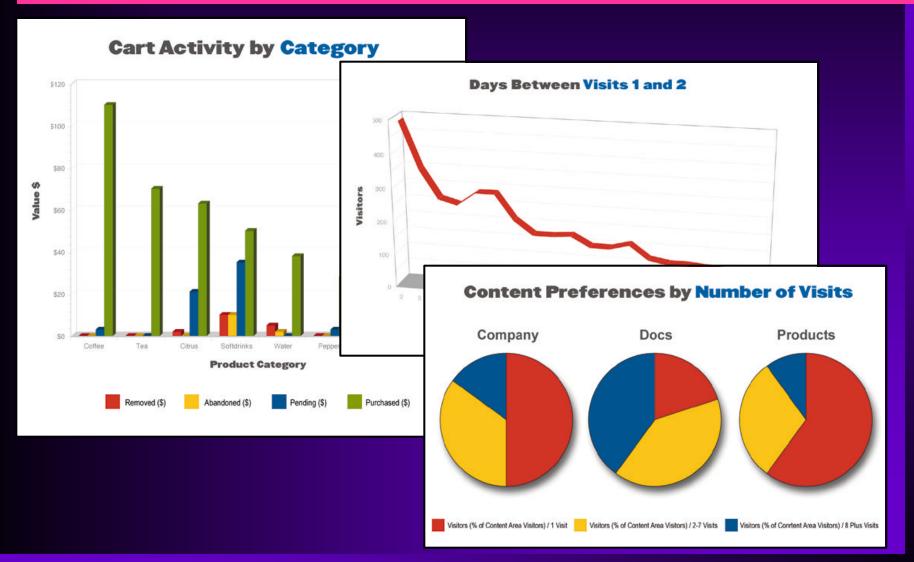
- The following slides are vendor slides for vendors who specialize in web/e-commerce data mining and/or visualization
- Each vendor was allocated two slides
  - > 1. How it differentiates itself and contact info
  - **2.** An interesting visualization
- Notes:
  - > Vendors are listed alphabetically (by company name)
  - We invited all known relevant vendors to submit, but some declined (e.g., E.piphany, Broadbase) or did not respond

## Accrue Software, Inc.

#### Accrue differentiates itself as follows:

- ➤ Superior Modeling: Accurately model the complexity of the largest e-businesses
- ➤ Advanced Scalability: From collection, processing, data mining and analysis
- ➤ Flexible Analytics: Configurable reporting through predictive and descriptive data mining and interactive OLAP interfaces.
- For more information about Accrue, see http://www.accrue.com or contact sales@accrue.com

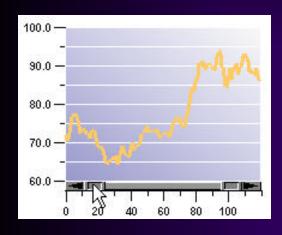
# Advanced, Intuitive Reporting

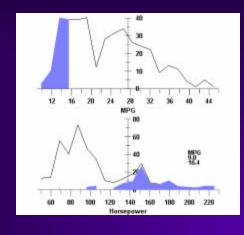


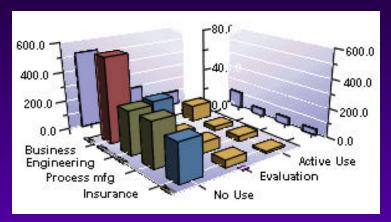
## OpenViz by Advanced Visual Systems

- Highly interactive data visualization for business intelligence and decision support
  - 2D & 3D visualization in Web browsers, integrated applications and office suite documents
  - Designed for COM and Java; all major platforms
  - Integrates all types of data from multiple sources
- For more information about AVS,
   visit <u>www.avs.com</u> or write <u>info@avs.com</u>

## **OpenViz** by Advanced Visual Systems







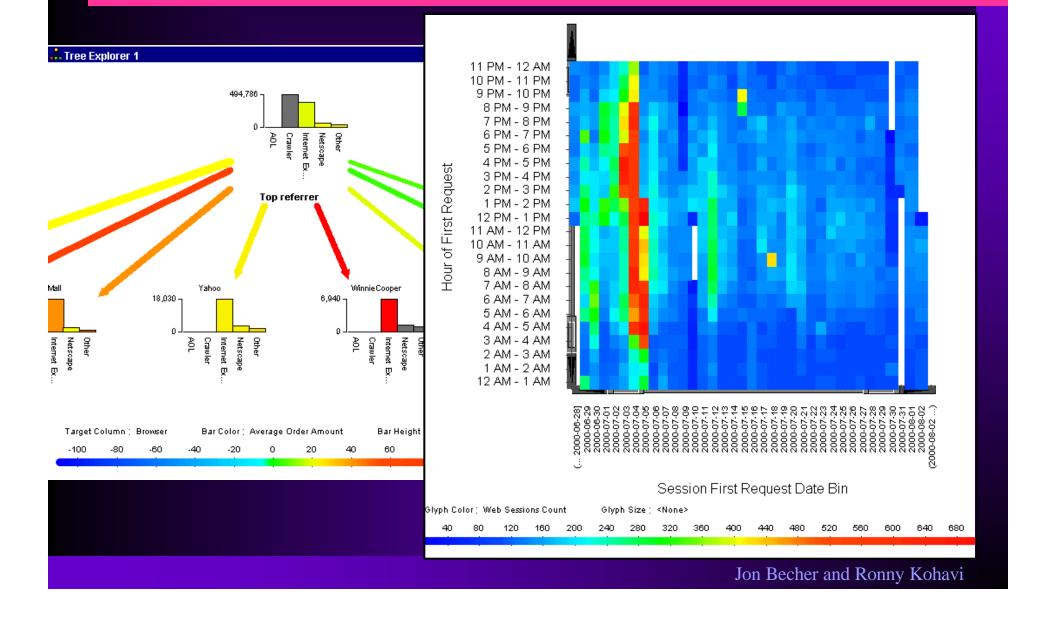
- Over 200 visualization techniques enable unlimited scenes and interactivity. Provides end-users with access and insight to more data—with less complexity.
- Hidden patterns, trends and correlations within all types of business information are easily detected and brought to life.
- Filtering, region selection, sorting, drill-down and other dynamic features are built in to the OpenViz platform. Server-side image generation and client-side viewer technology overcomes data collection and content delivery challenges.

### Blue Martini Software

#### BMS differentiates itself as follows:

- ➤ Integrated solution across all touchpoints (web site, call center, wireless, e-mail/campaign management)
- > Automated building of the data warehouse
- > Superior clickstream and business events collection
- ► Rich analysis, including reports, mining, visualizations
- For more information see http://www.bluemartini.com or contact info@bluemartini.com

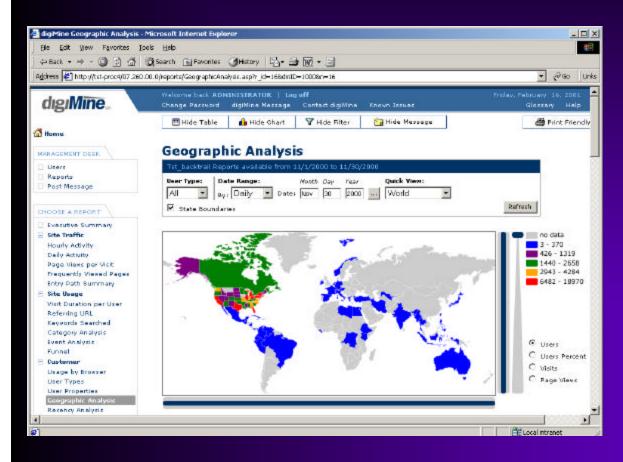
# Tree Visualizer and Heat Map



# digiMine Inc.

- digiMine Analytic Services differentiates itself on the following three factors:
  - ➤ Hosted Business Intelligence Service
    - > Speed of deployment, high value, intuitive UI
  - ➤ Data Mining Analysis for massive online and offline data sets
    - ➤ Dynamic User Segmentation
    - ➤ Affinity Analysis
    - ► Personalization and Recommendation
  - Comprehensive Data Warehousing Service
    - ➤ Incorporates wide variety of data sources
    - ➤ Direct integration with data mining provides <u>actionable results</u>
- For more information about digiMine Inc, see
   http://www.digiMine.com or contact info@digiMine.com

# digiMine Analytic Services

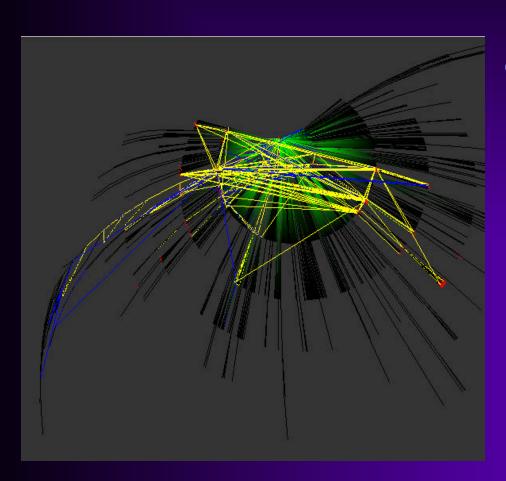


- Interactive reports that are accessed over the internet.
- Intuitive UI that requires no programming
- Rich information to support the Business decision maker.
- Visualization of key strategic insights, patterns and trends

#### InfoScent Research: Xerox PARC

- Information Scent is the user's perception of value and cost of information content of a hyperlink.
- The overall goal is to model Web user information needs
  - > Predict user surfing and navigation behavior
  - > Develop new visualization and Web usability metrics
- For more information about InfoScent, see http://www.infoscent.com or contact echi@parc.xerox.com

#### InfoScent Research: Xerox PARC

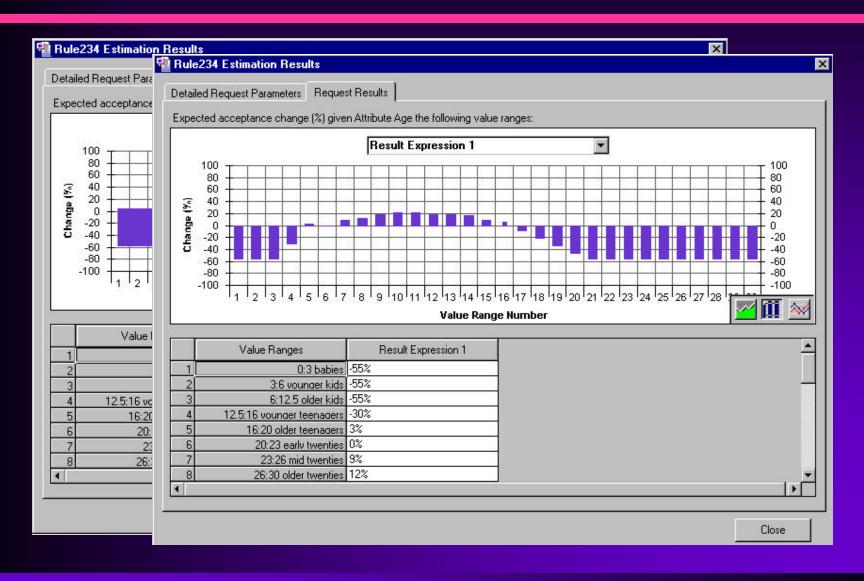


 This visualization shows the actual user paths from server logs (yellow lines), and predicted user destinations (red ticks).

#### Manna<sup>TM</sup> Inc.

- Manna differentiates itself on the following three factors
  - Analytic capabilities, including:
    - Automated learning
    - > Simulation
    - ➤ Sensitivity Analysis
  - ➤ Business Intelligence applied while the customer is still interacting with you
  - ➤ Predictive models designed to interact with OLTP systems (Web, Call Center, Wireless)
- For more information about Manna Inc., see http://www.mannainc.com or contact sales@mannainc.com

#### FrontMind® Visualization

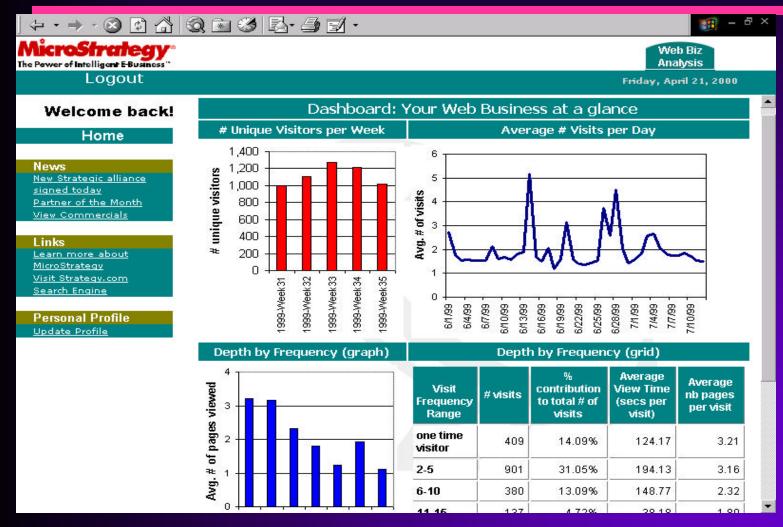


#### Introducing MicroStrategy7 Business Intelligence Platform

- MicroStrategy 7's key strengths for Web Traffic Analysis:
  - Ability to analyze transaction-level, multi-terabyte sized data sets on any relational database
  - Unmatched analytical richness and extensibility
    - Over 150 statistical, financial and mathematical functions and the ability to plug-in 3rd party or proprietary algorithms
  - Truly embeddable platform architecture with open COM/XML/Java SDK for ease of integration with other technologies and applications
  - Unmatched schema support allows true multidimensional analysis without restrictions imposed by Cube-centric approaches
  - Used by 3 out of top 5 Web Traffic Analysis Vendors



#### Screenshot from MicroStrategy Web Business Analyzer



Web Traffic Analytics and Reporting via Web, Wireless and Voice

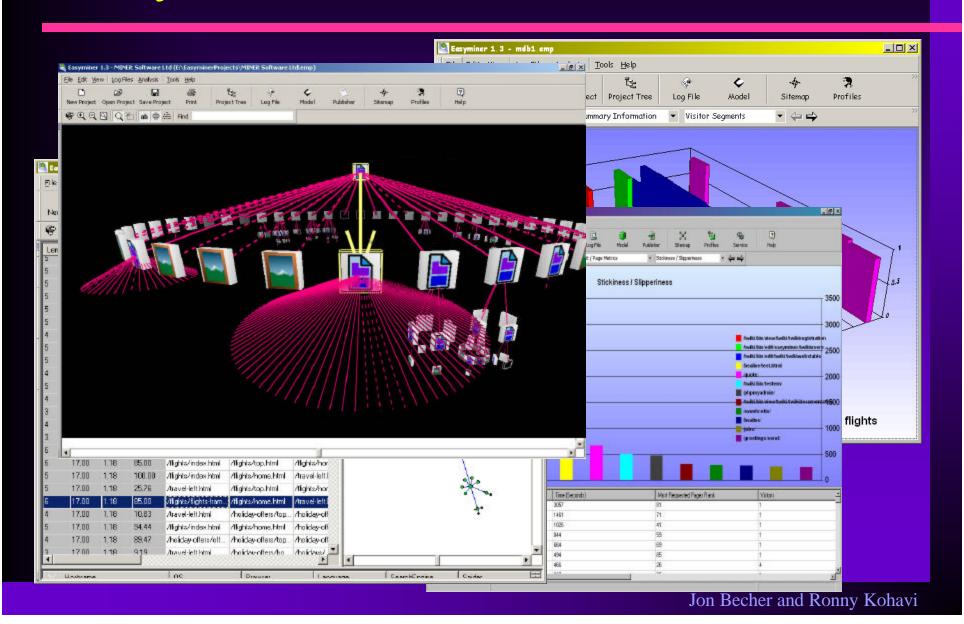
Power of Intelligent E-Business

## **MINEit Software**

- MINEit differentiates itself by delivering automatic knowledge generation technology to build powerful contextual marketing solutions, through our interactive workbench, for analysis of online behaviour which:
  - uses data mining algorithms tailored to web data usage
  - > allows interactive drill-down & slice-dice KPIs
  - has meta modelling capabilities
  - has an open knowledge interface using PMML
  - has domain knowledge incorporation.
  - > visualizes results on web site map (KPI mapping onto Web Site structure)

For more information about MINEit visit http://www.mineit.com or contact info@mineit.com

# **Easyminer Visualisation**



#### Quadstone



- Quadstone differentiates itself on the following three factors
  - Scalability –parallel processing techniques allow manipulation of vast amounts of data interactively
  - Designed for business users intuitive GUI, transparent algorithms, interactivity, multi-dimensional visualization
  - ➤ Multi-channel open system that can draw data from a wide variety of data sources to create 360° view of the customer.
- For more information about Quadstone, see http://www.quadstone.com or contact info@quadstone.com

## Quadstone

The two images on the left are visualizations of web log data, showing where visitors have come from, what sections they visit and their ultimate action. On the right is a geographic display of a customer base.



## Sane Solutions, LLC

- Sane Solutions' NetTracker<sup>a</sup> differentiates itself on the following three factors:
  - Creates fully documented clickstream data mart designed for easy integration with data mining and eCRM applications
  - > Server plugins for Apache, IIS & iPlanet gather additional information not available in web server logs.
  - ➤ NetTracker is priced lower than competitive solutions (starting at \$9,995)
- For more information about Sane Solutions, see www.sane.com or e-mail info@sane.com

## NetTracker®

 NetTracker's web browser interface runs on most platforms and is easy to use



## SAS Institute

#### SAS is differentiated by

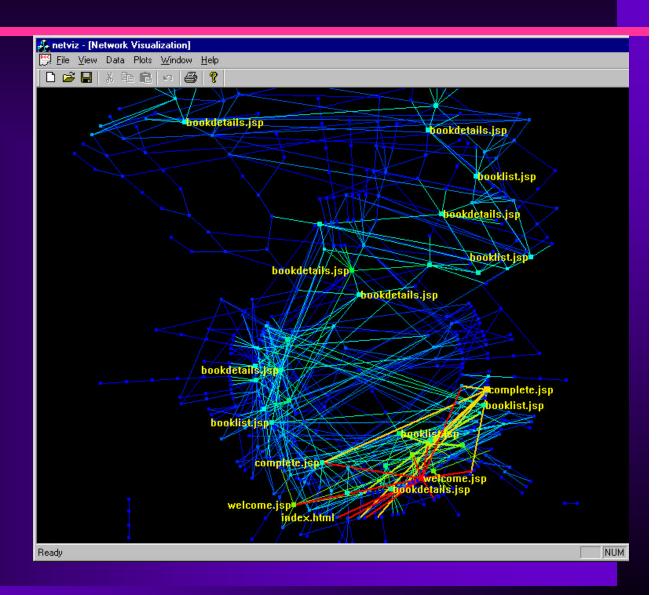
- Unmatched ETL and Data Manipulation Tools
- **Enterprise-wide running on numerous platforms**
- **Extensive Analytical Capabilities—25 years strong** 
  - Predictive models (regressions, neural nets, trees, etc.)
  - Exploratory Data Analysis (clustering, SOMs, etc.)
  - Time Series & Forecasting
  - **→** Optimization

#### For more information

➤ Visit http://www.sas.com

## SAS

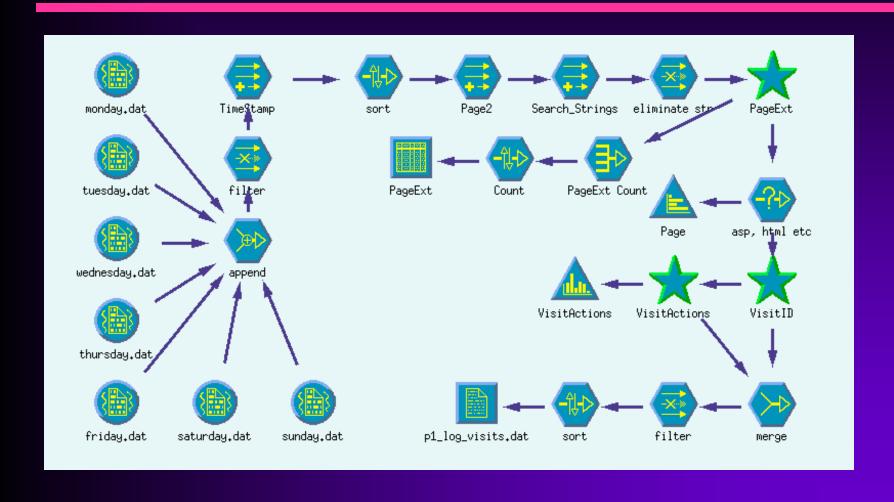
Cool
visualization
of significant
paths on our
publications
web site



#### SPSS

- SPSS Clementine ships with templates for Web mining to aid:
  - > Web log cleaning and combining logs with other data
  - > Data exploration and reporting
  - > Predictive modeling for web events such as purchases
- For more information about Clementine, see http://www.spss.com/clementine or contact sales@spss.com

# Clementine Web template



# Visual Insights' eBizInsights

- eBizInsights differentiates itself on the following three factors
  - Complete web site analysis solution
  - Visual Discovery and RealTime3D reporting
  - > Revolutionary visual path analysis
- For more information about eBizInsights, see http://www.visualinsights.com or contact sales@visualinsights.com

# Visual Insights

