TreeAge Pro 2007
Product Overview

TreeAge Software, Inc.

Overview

- TreeAge Pro 2007 introduces new features and improves existing ones
- Each new/enhanced feature is highlighted here
- A specific feature may become the subject of a future webinar to allow for a more detailed presentation
- For more details on TreeAge Pro 2007…
  http://www.treeage.com/support/LatestRelease.html

New Features

- TreeAge Pro Object Interface
- User-Defined Python Functions
- Documents View Window
- Node Outline Pane

Enhanced Features (1)

- Cost-Effectiveness Sensitivity Analysis
- Import/Export Variables with Excel
- Variables Report, Definitions & Display
- Dockable Find/Replace Window
- Global Tables Folder Location
- Formula Editor Formatting

Enhanced Features (2)

- Statistics Processing
- Simulation Memory Management
- Debug Pane Features
- Distribution Parameters
- Influence Diagram Preferences

TreeAge Pro 2007

New Features

TreeAge Pro Object Interface

- Requires the Excel Module
  - TreeAge Pro Excel or TreeAge Pro Suite
- Full-featured scripting interface
- Allows you to write scripts that utilize TreeAge Pro's core functions
  - Excel Macro using VBScript
  - Other scripting options/languages

TreeAge Pro Object Interface

- Library provides access to TreeAge Pro objects
- Examples:
  - ApplicationObj
  - TreeObj
  - MonteParams/MonteOutput
  - MarkovParams/MarkovOutput
  - GraphObj/TextReportObj

TreeAge Pro Object Interface

- With the Object interface, you could write an Excel macro to…
  - Open a tree
  - Update variable values from Excel worksheet
  - Run Monte Carlo Simulation
  - Export output results to Excel worksheet
  - Repeat above steps for a different set of variable values

TreeAge Pro Object Interface

- Excel Macro Sample with buttons that…
  - Open a tree
  - Create two variables
  - Update variable values from Excel worksheet
  - Get variable properties and display

TreeAge Pro Object Interface

- For more details and examples:
  http://www.treeage.com/support/TreeAgeObjects.html
- Online documentation:
  http://server.treeage.com/ObjDocs/TP/TOC/ref.php3
- Planned as subject of future webinar

User-Defined Python Functions

- Use the high-powered Python language to extend the functionality of TreeAge Pro
- Enter a Python function directly into a variable definition (of same name)
- Python functions can access tree variables and TreeAge Pro functions
- Publicly available Python modules handle many tasks including complex mathematical functions

User-Defined Python Functions

- TreeAge Pro 2007 ships with a Python library
- You can download the full Python libraries and documentation from www.python.org
- Functions can be written and tested in Python GUI software prior to pasting the function into TreeAge Pro
- For more details:
  - http://www.treeage.com/support/Python.html
  - 2007 TreeAge Pro User's Manual
- Planned as subject of future webinar

Documents View Window

- New window shows a “tree” view of all open documents
- Also shows all active windows open for editing variables, tables, etc.
- Click on a “node” in the Documents View to activate the selected window

Node Outline Pane

- Dockable, hidable pane in TreeAge Pro window
- Shows selected node in text/outline format
- Node properties/definitions can be updated from this pane’s outline format

TreeAge Pro 2007

Enhanced Features

Cost-Effectiveness Sensitivity Analysis

- Requires the Healthcare Module
  - TreeAge Pro Healthcare or TreeAge Pro Suite
- Use Net Benefits calculations in cost-effectiveness models when doing…
  - 2-way sensitivity analysis
  - 3-way sensitivity analysis
  - Threshold analysis
- Makes cost-effectiveness thresholds easy to identify

Cost-Effectiveness Sensitivity Analysis

- New Net Benefits command under the Analysis menu
  - Generates a line graph showing how each strategy's Net Benefits change as the willingness-to-pay increases

Import/Export Variables with Excel

- Requires the Excel Module
  - TreeAge Pro Excel or TreeAge Pro Suite
- Enhancements to functions that export variable data to Excel
- Exported data now includes extra information that allows you to rename TreeAge variables from Excel
- Node-specific definitions can now be exported as well as default definitions
- New Excel menu item to refresh variables from TreeAge Pro

Variables Report, Definitions & Display

- Variables Report enhanced for node-specific reporting and filtering
- Variable Definitions now allow for comments to annotate the definition expression
- Variables Display wrap option is improved
  - Avoid unnecessary wrapping
  - Display full Python function text with wrap on

Dockable Find/Replace Window

- The Find/Replace tool can now be opened as a dockable pane
- The current Find/Replace option remains available

Global Tables Folder Location

- Change the default global tables folder from within the Variables and Tables dialog
- Move tables to the new folder as desired
- Overrides the older TABLES.DIR approach

Formula Editor Formatting

- Font button now allows you to change the format of variable definitions
  - Make your variable definitions easier to read
- Formula editor can now edit multiple probabilities for selected nodes

Statistics Processing

- Statistical reporting runs much faster for very long lists of numbers
  - Hundreds of thousands of simulation output rows

Simulation Memory Management

- Virtual memory is better used to handle the requirements of long simulations
- New configurable memory threshold
  - Default is 500MB
- When memory threshold is exceeded, TreeAge Pro swaps output to temporary files
  - Must have sufficient disk space for temporary files

Debug Pane Features

- New preference to limit debug output
  - Speeds up operations
- Configurable wrap option

Distribution Parameters

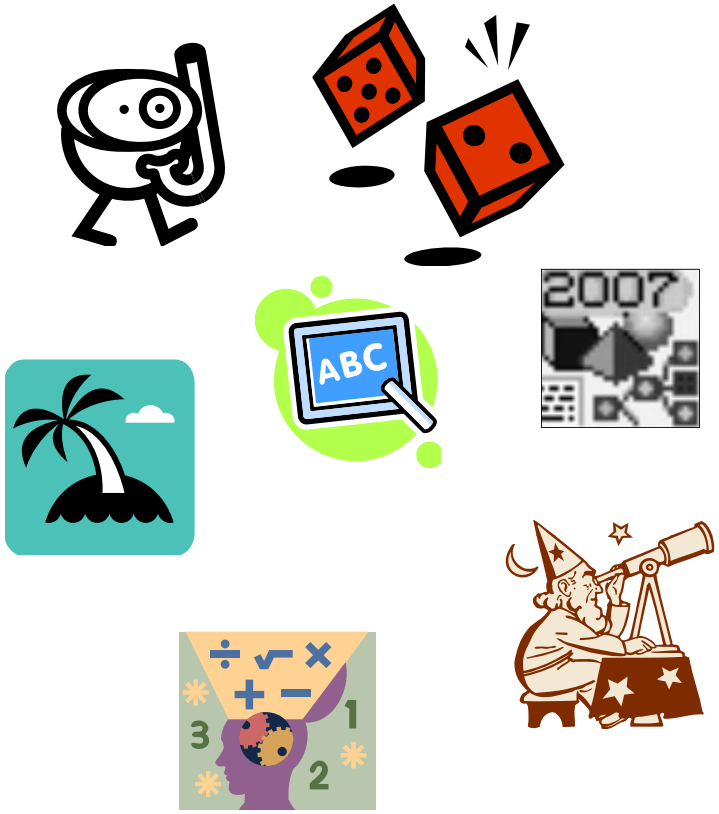
- Easier to approximate parameters for certain distribution types
  - Beta
  - Gamma
  - Lognormal
- Approximations (mean, std, etc.) now retain memory of previous values

Influence Diagram Preferences

- New preferences for border styles
  - Note boxes
  - Arc information notes
- Arcs between incomplete nodes can be displayed like structure-only arcs

Summary

- Questions?



Webinar Series

- TreeAge Software will continue to host Webinars in the future
- Coming soon…
  - TreeAge Pro Object Interface
  - Using Python in TreeAge Pro
- Please provide feedback
  - Via GoToMeeting survey
- Materials available by EOD at
  - http://server.treeage.com/treeagepro/training/webinars.asp