TreeAge Pro

Premier visual modeling software for creating decision trees, Markov models, and event-based simulations for complex decision analysis in healthcare, legal, and business sectors.

https://www.treeage.com/

Overview

TreeAge Pro is the leading visual modeling tool for decision analysis, health economics, and risk assessment. It is primarily a desktop application used by professionals in healthcare, legal, and business fields to model complex, uncertain decisions and determine the optimal strategy.

Key Capabilities

TreeAge Pro allows users to build and analyze a variety of advanced models without requiring code, using a visual editor that maps out strategies and patient pathways. Its core strength lies in its comprehensive suite of analytical tools:

Health Economic Modeling: Includes built-in features for Cost-Effectiveness Analysis (CEA), Budget Impact Analysis (BIA), and generating reports like the Incremental Cost-Effectiveness Ratio (ICER) and Acceptability Curves.

Model Types: Supports Decision Trees, Markov Models, Patient-Level Simulation (Microsimulation), Discrete Event Simulation (DES), and Partitioned Survival Analysis (PartSA).

Uncertainty Analysis: Performs robust analyses like Probabilistic Sensitivity Analysis (PSA), One-Way/Multi-Way Sensitivity Analysis, Monte Carlo Simulation, and Bayesian Analysis to assess the impact of parameter uncertainty.

Data Integration: Models can be linked to external data sources via ODBC drivers (SQL Server, Access) and seamlessly integrate with Microsoft Excel for data input and report export.

Target Users and Use Cases

The software is divided into two main editions: **TreeAge Pro Healthcare** (for Health Economists, Clinical Researchers, Pharmaceutical Analysts) and **TreeAge Pro Business/Law** (for Attorneys and Business Analysts).

Healthcare: Evaluating new medical treatments, comparing clinical strategies, and assessing the cost-effectiveness and financial impact of interventions.
Legal: Modeling litigation risk, comparing legal strategies, and valuing legal cases under uncertainty.
Business: Examining complex business problems, strategic planning, and risk analysis in fields like oil & gas exploration and finance.

Key Features

- Decision Tree Analysis
- Markov Modeling
- Cost-Effectiveness Analysis (CEA)
- Probabilistic Sensitivity Analysis (PSA)
- Discrete Event Simulation (DES)
- Patient-Level Simulation (Microsimulation)
- Visual Model Editor (No Coding Required)

Pricing

Model: subscription

Offers Annual, Standard (Perpetual) with required Maintenance, Group, and Network licenses. Pricing is not publicly disclosed and requires a quote.

Target Company Size: small, medium, enterprise

Integrations

Microsoft Excel, Java, Python, ODBC (SQL Server, Access)

Compliance & Certifications

NIST Standards, FIPS