

Bayes networks and Influence Diagrams are a universal tool for uncertainty modelling

Let **Fondata's** software and services deliver you the benefits of AI, Data Science, and Cloud computing.

Decision Modeling

Decision Analysis brings a principled approach to decision-making under uncertainty. Our dedicated **modelling software** vastly expands the scope and scale of models, for **no-code construction** of causal decision models ("Influence Diagrams"), data driven **Bayesian reasoning**, learning from data, and **Monte-Carlo** simulation into one integrated environment.

The "**Bayesian Promise**" is to both capture expert judgment and combine it using **Machine Learning** to make models more accurate. With data, our software can **build** models **automatically**.

Diagnosis and Prognosis

Intelligent Diagnosis is a novel AI application of Bayes networks that has been proven for machine and medical diagnosis. Our software offers a complete solution for diagnostic applications, by inferring **root-cause probabilities** in an interactive testing process. Our software manages diagnostic cases, and rank-orders the **best sequence of tests** and observations, based **Value Of Information**. Field deployment is straightforward through a built-in interface, API, or our mobile diagnostic app.

Decision Quality in Business Forecasting and Operations Modelling

Applications to **business strategy** and **operations, forecasting, and supply chain** improve a business's competitiveness. Examples are:

- Developing and formulating **risk management** decisions, for example; Whether to attempt a "**digital transformation**" by automating operations in the Cloud.
- Development of **custom statistical models**, for example, A/B testing or Conjoint Analysis to improve products and services.

BAYESFUSION

Fondata's partnership with BayesFusion provides AI modeling and machine learning software based on Bayes networks. The software runs on desktops, mobile devices, and in the Cloud.

• **GeNie Modeler** is an interactive graphical editor for eliciting and learning Bayes networks, Influence Diagrams, and other types of graphical probabilistic models.

• The software library, **SMILE Engine**, is a high performance, multi-platform API for models built in **GeNie**. It can be called from C++, Python, Java, .NET, R, or Matlab.

• Models created with **GeNie** can be delivered on mobile devices with **BayesMobile**, or as a web service with **BayesBox**.

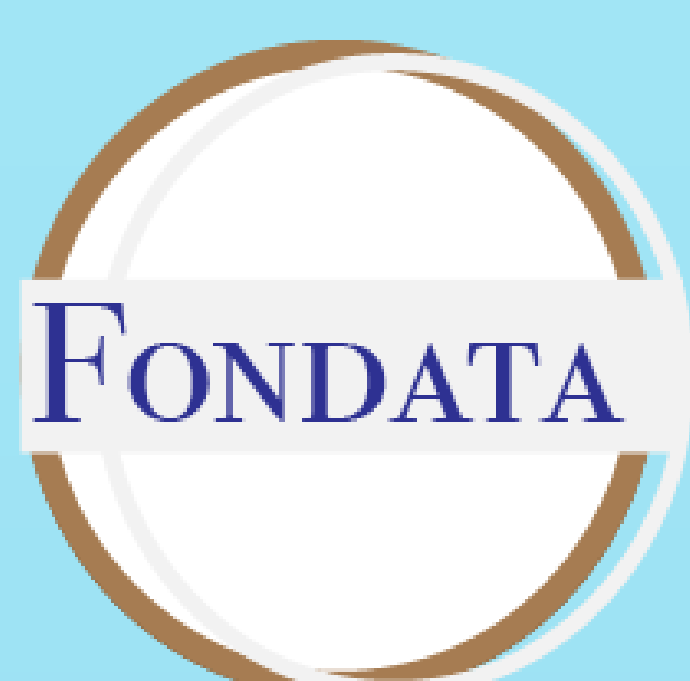
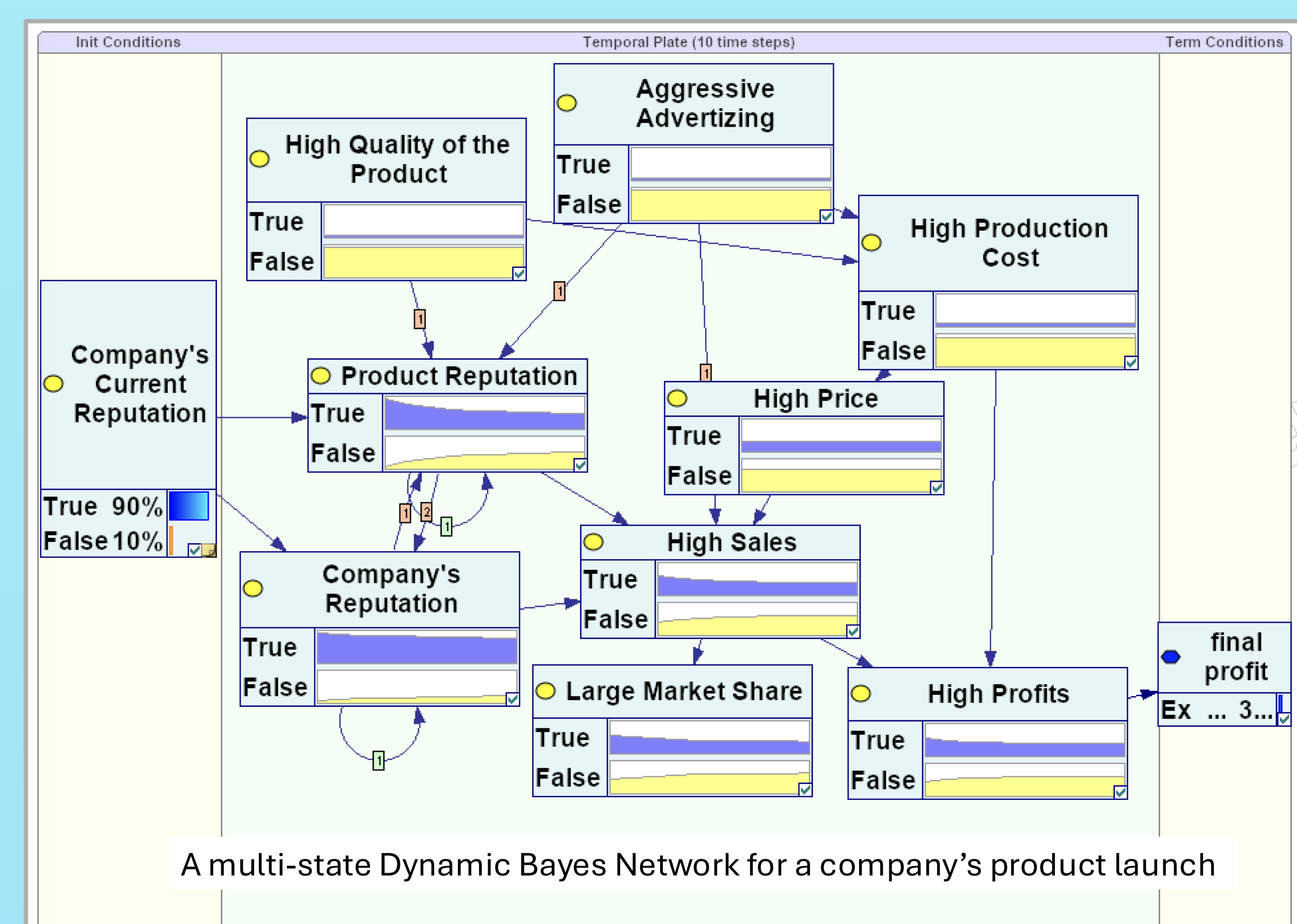
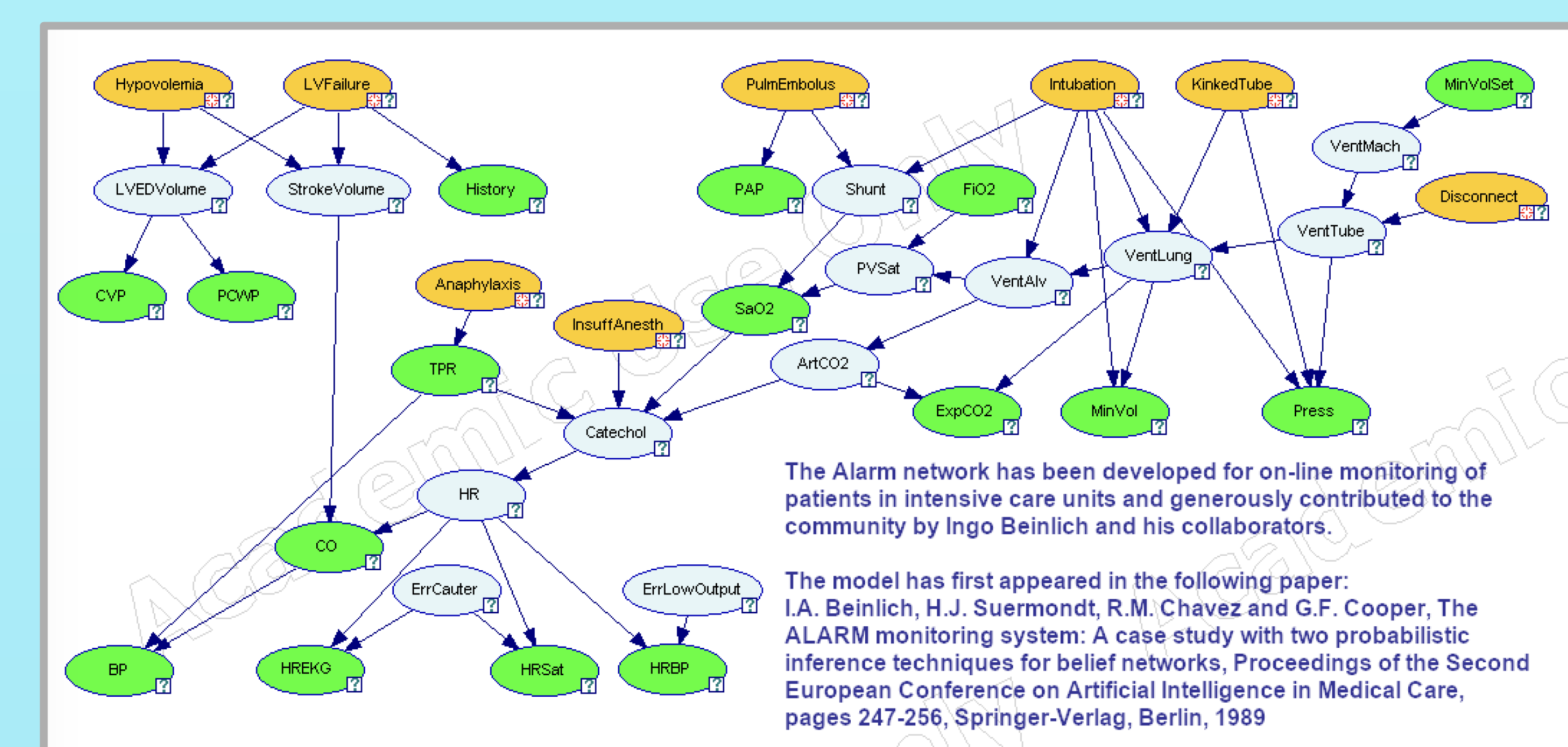
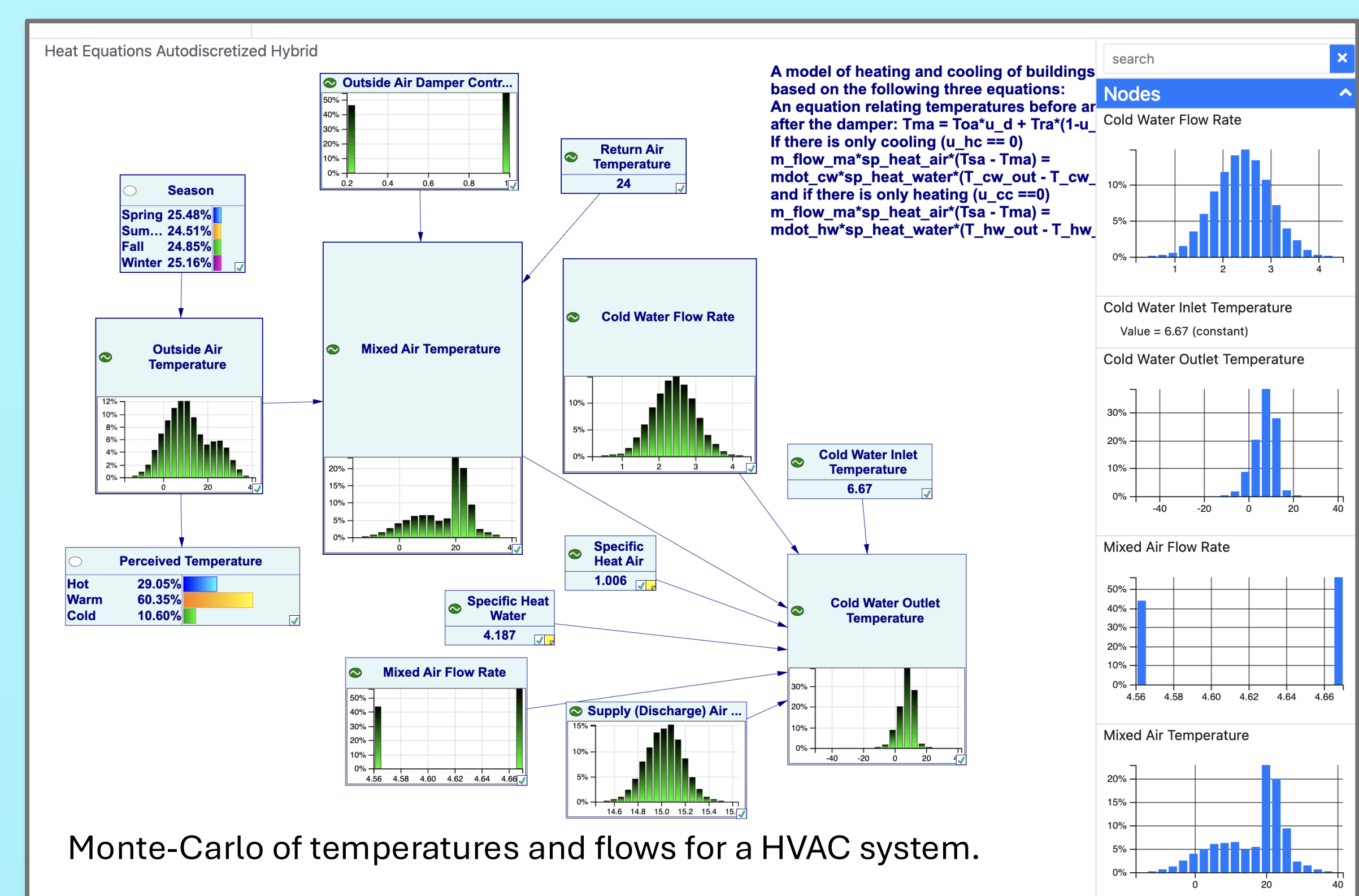
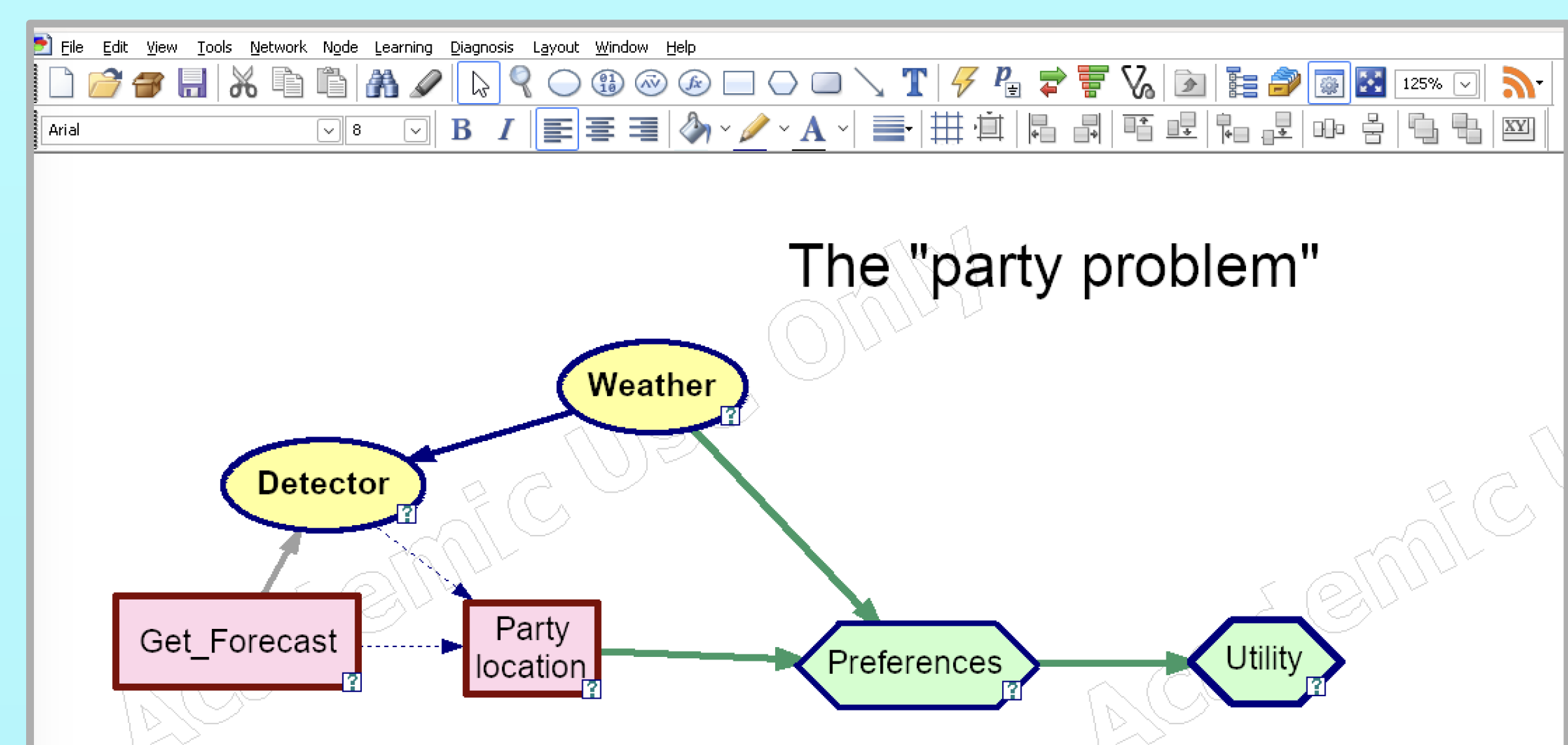


BAYESFUSION, LLC

Data Analytics, Modeling, Decision Support

Download a demo copy at
www.bayesfusion.com

GeNie Modeller Screenshots



Fondata, LLC

IMPROVING BUSINESS STRATEGY AND PROCESSES
THROUGH DECISION MODELLING

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