Abstract

Intelligent software estimation models are need of the time. With increased development of Bayesian networks for software project management, one requires an explicit Bayesian Network (BN) to provide effort estimates based on historical data. This paper proposes a simple BN, based on classification approach. However the classes of ranges of size value, are distributed with help of fuzzification to distribute the probability of crisp value. The model is simple and smaller, thus can easily be connected to static as well as dynamic Bayesian Networks.

Reference
- Azalia Shamsaei, 2005, M.Sc. Project report, Advanced Method in computer science at the University of London
- Kevin Murphy, “A Brief Introduction to Graphical Models and Bayesian Networks”, 1998.
Development of Simple Effort Estimation Model based on Fuzzy Logic using Bayesian Networks


Index Terms

Computer Science

Artificial Intelligence

Key words

Bayesian Networks

Fuzzy logic