Abstract

Risk assessment is an important and popular aid in decision making process. Risk assessment is generally performed using models and model is a function of some parameters. Sometimes model parameters are tainted with uncertainty due to lack of knowledge, imprecision, vagueness, small sample sizes etc. To represent this type of uncertainty generally triangular fuzzy numbers or trapezoidal fuzzy numbers are used. In this paper, we use Gaussian and Cauchy fuzzy numbers to represent uncertainty. Fusion of Gaussian and Cauchy fuzzy number is discussed and then human health risk assessment is carried out in this setting.

References


Index Terms

Computer Science  Fuzzy Logic

Keywords

Human Health Risk Assessment  Uncertainty  Fuzzy Set  Gaussian & Cauchy Fuzzy Numbers.