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.