

Fuzzy sets and probability: Misunderstandings, bridges and gaps

Didier Dubois - Henri Prade

Tommaso Papini

STLab, Department of Information Engineering, University of Florence, Italy,
tommaso.papini@unifi.it

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- Fuzzy sets VS. probability
 - common misunderstandings
 - existing bridges
 - GAPS???

Overview

1 Misunderstandings

- Membership Function and Probability Measure
- Fuzzy Relative Cardinality and Conditional Probability
- Possibility Theory is not Compositional

2 Bridges

- Upper probability
- Random Sets and Belief Functions
- Likelihood Function
- Fuzzy Sets in Statistical Inference
- Probabilistic Interpretations of Fuzzy Set Operations
- Possibility Degrees as Infinitesimal Probabilities

3 GAPS???

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