

Outline

- Motivation
- Fuzzy Sets Basic Concepts
 - Characteristic Function (Membership Function)
 - Examples
 - Notation
 - Semantics and Interpretations
 - Related crisp sets
 - » Support, Bandwidth, Core, α -level cut
 - » Decomposition Theorem
 - Features, Properties, and More Definitions
 - » Convexity, Normality, Fuzzy Singletons
 - » Cardinality, Measure of Fuzziness, First Moment
 - » MF parametric formulation
 - Fuzzy Logic Operations
 - » Intersection, Union, Complementation
 - » Numerical Examples
 - » T-norms and T-conorms
 - So What? Why do I need this?



Or better yet, Where are we going? (A simplified Roadmap)

