



/	Fuzzy Rules and Fuzzy Reasoning
	The Big Picture
	Inference systems consist of three components:
	• rule base
	 data base (defines membership functions)
	 reasoning mechanism (aggregation)
	defuzzification
1	

Fuzzy Rules and Fuzzy Reasoning Outline Introduction/Motivation Mamdani Model TSK Model Tsukamoto Model et cetera





Fuzzy Rules and Fuzzy Reasoning

Design of IS

Consistency: no rules with the same antecedents but different consequents

Completeness:

for any $x \in X$

there is at least one rule j s.t. $\mu_{\scriptscriptstyle A_{\!\scriptscriptstyle j,i}} \neq 0$



























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	last slide
21	