

























Mamdani Fuzzy Inference Aggregation of the rule outputs 1 1 C2 C3 C1 0.5 0.5 0.2 0.2 0.1 0.1 0 0 Ζ Z \mathbf{F} z is C1 (0.1) **OR** z is C2 (0.2) **OR** z is C3 (0.5) **THEN** 14 Umut ORHAN, PhD.











Sugeno Fuzzy Inference **Sugeno-style Rule Evaluation** A3 *B*1 0.1 OR 0.1 0.0 max 0 X k1*Rule* 1: IF x is A3(0.0) OR y is B1(0.1)THEN z is k1 (0.1) 0.7 0.2 *B*2 AND (min) 0.2 0 *Rule* 2: IF x is A2(0.2) AND y is B2(0.7)THEN z is k2 (0.2) A10.5 0.5 0 X k3 Rule 3: IF x is A1 (0.5) THEN z is k3 (0.5) 20 Umut ORHAN, PhD.











