1. Consider following two sets

Arich= {(0.7,a),(0.6,b),(0.3,c),(0.4,d),(0.2,e)}

Bpoor= {(0.2,a),(0.5,b),(0.8,c),(0.7,d),(0.8,e)}

For the above mentioned sets, compute

Union

Intersection

Comments

1. Consider following two sets

ADataScience= {(0.7,a),(0.6,b),(0.3,c),(0.4,d),(0.2,e)}

BResearch= {(0.6,a),(0.8,b),(0.2,c),(0.5,d),(0.3,e)}

For the above mentioned sets, compute

Union

Intersection

Comments

1. Comment on - Law of contradiction(F ∩ FC ) and Law of excluded middle F ∪ FC with respect to fuzzy sets (using either question 1 or question 2 data)
2. For a fuzzy set A, Support(A)= set of all points with membership>0.

Singleton of a fuzzy set is defined as a fuzzy set with support as single point with membership 1. Relate with a real world example.

1. Fuzzy subset. A is called as subset of B is μA(x) <= μB(x). Give one example.