

Abstract: Fuzzy transform is a novel, mathematically well founded soft computing method with many applications. In this talk, we present this technique in data analysis. First, we show how it can be used for detection and characterization of dependencies among attributes. Second, we apply it to mining associations which have a functional character. Moreover, the mined associations are characterized linguistically which means that their antecedent consists of fuzzy numbers and the consequent is characterized using pure linguistic expressions (i.e. expressions such as small, very big, more or less medium, etc.).