

## Abstract:

Nowadays, Big Data Analytics has become part of our daily life. The amount of data in today's world is overwhelming and the necessity for faster decision-making is essential. In this talk, I shall not discuss specific techniques of Big Data Analytics but rather provide brief discussions on some of the statistical learning paradigms such as supervised and unsupervised learning. Also, I shall try to answer the following questions: What is Data Mining? What Data Mining can and cannot do? In the second half of the talk, various applications of Machine Learning techniques such as market basket analysis and neural network will be presented.