

Expectations from CS 422 Data mining

During this course, we will learn Data mining with a focus on Machine learning and Artificial Intelligence. Post completion of this course,

- 1) I expect to understand important machine learning techniques such as classification, regression for supervised learning, and various clustering techniques for unsupervised learning.
- 2) Gain a foundational understanding of Neural networks using machine learning algorithms such as Back propagation and Gradient descent.
- 3) Using R language, get hands-on experience on the above topics and Principal component analysis for high dimensional data reduction.