**Data Mining**

**&**

**Meaningful Visualization**

by

Usman Ahmad Khwaja

Chew (Jason) Kuang Sheng

Helal (Memo) Elfakharay

# Abstract

***Data Mining* is a data extraction technique used in many *Artificial Intelligence* applications. The purpose of data mining is to obtain data sets from large volumes of complex data. The data sets can be used to generate meaningful information. Functions can be performed on such data for classification, approximation, or prediction purposes that would otherwise be impossible to run on big data. The data sets obtained however are still large and incomprehensible by human eye. This report will explore some scripting methods by which large informative data can be mined using social and market media applications’ API. Then we should be able to demonstrate how visually readable models can be generated from the extracted data. This can help in human analysis and visualization of large amounts of data.**