DAVA - DATA VISUALIZATION ANLY (DAVA)

DAVA 6010 Data Mining (3 Credits)
In today's society, huge amounts of data are available and are being collected by the retail industry, financial institutions, and the government. There is the imminent need for extracting useful information from such data. Techniques of data mining are being used to extract this information. There is a wide range of applications for data mining, such as market analysis, customer retention, fraud detection, and terrorist tracking. This course introduces the foundations of applied data mining. It covers the fundamental ideas and algorithms of data mining. Furthermore, it teaches applying data mining techniques in order to extract useful information from data. Standard software for data mining will be used. The course is intended for any student desiring an introduction to data mining.

DAVA 7000 Data Visualization (3 Credits)

DAVA 7111 Text Mining (3 Credits)
A majority of data collected today is unstructured and therefore not immediately accessible to standard data mining techniques. Much of that unstructured data comes in the form of text. Analyzing textual data requires a specialized suite of tools, tools which collectively constitute the field of text mining. This course introduces the foundations of text mining, and provides techniques and ideas that demonstrate how text mining can be used to extract useful information from a large text corpus. Applications include examples in the humanities, law, business, and the sciences. Text processing and analysis will be carried out using standard software for text mining. The course is intended for any student desiring an introduction to text mining.

DAVA 8011 Intern in Visual Analytics (3 Credits)

DAVA 8021 Data Analytics Casual Reason (3 Credits)