DAVA - DATA VISUALIZATION ANLY (DAVA)

DAVA 3000 Data Visualization (3 Credits)
Visualization is crucial for understanding complex information and for enabling humans to act on information appropriately. For example, visualization is used in many application areas such as social and health sciences, business, the natural sciences and engineering. This course introduces the foundations of information visualization rooted in cognitive psychology and perception. This course also teaches retrieving information from data sources, such as data bases and the internet, preparing data for processing, as well as creating and presenting information visualizations using standard software

DAVA 3010 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 3111 Text Mining (3 Credits)

DAVA 4011 Intern in Visual Analytics (3 Credits)

DAVA 4021 Project in Visual Analytics (3 Credits)