

Course Outline: Data Mining Methodology and Methods

Lecturer

Fangming

DAY 1 (Mon: 22/01/2018)

Introduction to Data Mining
Identifying & Planning Data Mining Projects
Workshop – DM planning
Data Mining Tools Survey and Demos

DAY 2 (Tue: 23/01/2018)

Zhenzhen

Data Mining Methodologies
Introduction to R & Rattle
Data Exploration and Visualisation (I)
Workshop- Data exploration

DAY 3 (Wed: 24/01/2018)

Zhenzhen

Data Exploration and Visualisation (II)
Workshop- More visualisation
Data Preparation & Transformation
Workshop – Data preparation and transformation

DAY 4 (Thu: 25/01/2018)

Fangming

Predictive Analytics and Data Mining
DM Modeling Techniques
DM Modelling Workshop

DAY 5 (Fri: 26/01/2018)

Fangming

Advanced Modelling Topics in Data Mining
Advanced Modelling Workshop

Lecturer

DAY 6 (Tue: 30/01/2018, Sat: 03/02/2018)

Rita

PCA/Factor Analysis

DAY 7 (Tue: 06/02/2018, Sat: 10/02/2018)

Rita

Cluster Analysis

DAY 8 (Tue: 13/02/2018, Sat: 24/02/2018)

Barry

Bayesian Nets

DAY 9 (Tue: 27/02/2018, Sat: 03/03/2018)

Zhenzhen

Association Mining

DAY 10 (Tue: 06/03/2018, Sat: 10/03/2018)

Barry

Recommender Systems