APPLIED STATISTICS IN DATA MINING

MBA BATCH: 2016-2018 / TRIMESTER - VI
DEPARTMENT OF MANAGEMENT, BANGALORE CAMPUS
AMRITA VISHWA VIDYAPEETHAM

INSTRUCTOR AND CONTACT INFORMATION

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COURSE OBJECTIVE

To help students to learn why statistics is important and how to use it in data mining. To help students to understand the statistical concepts and applications used in business analytics.

COURSE DESCRIPTION

This course is concerned with the basic statistical tools that are indispensable for analyzing information/data in order to make efficient decision making.

COURSE DELIVERY

> RELEVANT SLIDES WILL BE DEVELOPED AND USED FOR THIS COURSE

SESSION SHALL BE SCHEDULED BETWEEN : FEB 5 2018 TO FEB 23 2018

TWO PERIODS ON MWF AND ONE PERIOD ON THURSDAY AND TUESDAY. TOTAL 24 PERIODS OR 30 HOURS

REQUIRED COURSE MATERIALS AND REFERENCE READINGS

- Slides given in class.
- A version of MINITAB software for statistical computing and graphics.

EVALUATION CRITERIA

The final grade in this course will be based on your demonstrated performance in 4 main evaluation components, with the following weights:

Class interaction	30 %
Mid trimester Examination	35 %
End trimester Examination	35 %

Session No.	Topics	Chapters
1	Overview of Big data and Data mining	
2-3	Different areas of Data mining	
4-7	Types of patterns	4,5
5-6	Association	6
7-9	Prediction	7
10-12	Cluster	8
13-15	Test - 1	9
16-18	Sequential	11
19-21	Neural network	14
22	Simple regression model	12
23-24	Multiple regression model Finals	13

Additional Information
Everybody has to carry their own laptop (individually responsible for ensuring required power, net connectivity and software) to the class.