

Academic Year: (2018 / 2019)

Review date: 11-04-2018

Department assigned to the subject: Statistics Department

Coordinating teacher:

Type: Electives ECTS Credits : 6.0

Year : Semester :

DESCRIPTION OF CONTENTS: PROGRAMME

1. Introduction to multivariate data with R.
2. Data visualization: principal component analysis.
3. Data visualization: metric multidimensional scaling.
4. Classification: linear discriminant analysis.
5. Classification: logistic regression.
6. Classification: Naive Bayes classifier.
7. Data segmentation: cluster analysis. Hierarchical models and k-means algorithm.
8. Introduction to prediction with non linear data

% end-of-term-examination: 60

% of continuous assessment (assignments, laboratory, practicals...): 40