

Curso

Big Data: How to learn on massive data sets



Jean-Michel Loubes

(Institut de Mathématiques de Toulouse, Université Paul Sabatier)

Dirigido a estudiantes de máster/doctorado en Matemáticas/Informática

Fechas: 27 a 30 de marzo de 2017.

Plazas: 24

Programa:

- (1) Learning features: A structured model.
Introduction to clustering and features extraction. Learning a model using regression and logit regression. Sparsity in high dimension.
- (2) Automatic representation learning with Non-Negative Matrix Implementation.
Matrix factorization and SVD methods. NMF. Completion using NMF and recommendation.
- (3) Using spark, hadoop.
Principle of map reduce. Divide and conquer method. Stochastic gradient optimization.
- (4) Application to movie lens recommendation.

Horario: L,M,X de 16:00 a 20:00; J de 10:00 a 14:00

Aula 133/134, Facultad de Ciencias

Contacto: tasio@eio.uva.es