



University
Politehnica
of Bucharest



Faculty of
Automatic
Control and
Computers



Computer
Science and
Engineering
Department

Project

Ciprian-Octavian Truică
ciprian.truica@cs.pub.ro



Plan

- Select an algorithm to make a presentation minimum 10 slides, maximum 25 slides (until week 10)
- An algorithm can be presented by 1 student, once an algorithm is chosen by a student, nobody else can choose that algorithm.
- Week 11-14: Present the algorithm in 10 minutes during the laboratory sessions.



Algorithms

- Patricia Mine
- Multivariate adaptive regression splines
- SLIQ algorithm
- Neural networks - different algorithms, e.g. Perceptron, RNN, CNN, etc.
- BIRCH
- CURE data clustering algorithm
- O-cluster



Algorithms

- Self organizing maps
- EM algorithm
- Social Networks Analysis
- Page Rank and other ranking algorithms
- Collaborative filtering and recommender systems
- Information integration algorithms/methods
- Web log mining algorithm



Algorithms

- Eclat (depth-first search algorithm)
- DBSCAN (clustering)
- OPTICS
- CLARANS
- GEP (Gene Expression Programming)
- Learning Vector Quantization
- Kriging
- Imputation



Algorithms

- Latent Dirichlet Allocation
- Non-negative Matrix Factorization
- Hierarchical Dirichlet Process
- Word Embeddings
- Principal component analysis