

- Faculté des sciences
- www.unine.ch/sciences

Machine learning and data mining (3IN2011)

Filières concernées	Nombre d'heures	Validation	Crédits ECTS
Master en informatique	Cours: 2 ph Exercice: 2 ph	Voir ci-dessous	5

ph=période hebdomadaire, pg=période globale, j=jour, dj=demi-jour, h=heure, min=minute

Période d'enseignement:

- Semestre Automne

Equipe enseignante

Prof. Jacques Savoy

Contenu

Introduction to machine learning and data mining concepts, problems and applications; Simple rules generation; Bayesian learning; Decision trees; Associations rules, Methodology of evaluation, Nearest neighbors (and k-NN), Clustering.

The final mark is based on both a final written exam and the results of the practical exercises.

References

- Ian Witten, Eibe Frank, Mark Hall, Christopher Pal. Data Mining: Practical Machine Learning Tools and Techniques, 4th ed. Morgan Kaufmann.
- Christopher M. Bishop: Pattern Recognition and Machine Learning. Springer.

Forme de l'évaluation

Examination two hours

Documentation

Copies of the slides available

Pré-requis

None

Forme de l'enseignement

2 hours of lectures and 2 hours of exercises