

Scientific Publications of the team « PROF » for 2015
(Publiées en 2015, ordre alphabétique des titres)

📖 Journal, 👤 Conférence

- 👤 **A parameter-free approach for mining robust sequential classification rules**, Elias Egho, Dominique Gay, Marc Boullé, Nicolas Voisine, Fabrice Clérot à International Conference on Data Mining (ICDM 2015)
- 👤 **A Relative Exponential Weighing Algorithm for Adversarial Utility-based Dueling Bandits**, Pratik Gajane, Tanguy Urvoy, International Conference on Machine Learning (ICML 2015)
- 📖 **A survey on supervised classification on data streams**, Vincent Lemaire, Christophe Salperwyck, Alexis Bondu in a volume in the series Lecture Notes in Business Information Processing published by Springer
- 👤 **An Initialization Scheme for Supervised K-means**, Vincent Lemaire, Oumaima Alaoui Ismaili, Antoine Cornuéjols, in International Joint Conference on Neural Networks (IJCNN 2015)
- 👤 **Analyse exploratoire par k-Coclustering avec Khiops CoViz**, Bruno Guerraz, Marc Boullé, Dominique Gay, Vincent Lemaire and Fabrice Clérot, Atelier CluCo, conférence , Extraction et Gestion des Connaissances (EGC 2015)
- 👤 **Classification à base de clustering ou décrire et prédire simultanément**, Oumaima Alaoui Ismaili, Vincent Lemaire, Antoine Cornuéjols, Rencontres des Jeunes Chercheurs en Intelligence Artificielle (RJCIA 2015)
- 👤 **Classification supervisée respectueuse de la vie privée dans un environnement distribué**, Françoise Fessant, Fabrice Clérot, Tarek Benkhelif, 6ième Atelier Protection de la Vie Privée (APVP2015)
- 👤 **Classifieur bayésien naïf respectueux de la vie privée**, Françoise Fessant, Fabrice Clérot, Tarek Benkhelif, Congrès de la Société Française de Classification (SFC 2015)
- 👤 **Concept drift detection using supervised bivariate grids**, Christophe Salperwyck, Marc Boullé, Vincent Lemaire, in International Joint Conference on Neural Networks (IJCNN 2015)
- 👤 **Country-scale Exploratory Analysis of Call Detail Records through the Lens of Data Grid Models**, Romain Guigoures, Marc Boullé, Dominique Gay, European Conference on Machine Learning, (ECML 2015).
- 📖 **Discovering Patterns in Time-Varying Graphs : A Triclustering Approach**, Romain Guigoures Marc Boullé, Fabrice Rossi, Advances in Data Analysis and Classification (ADAC 2015)
- 👤 **Dueling Bandits as a Partial Monitoring Game**, Pratik Gajane, Tanguy Urvoy, workshop EWRL 2015, International Conference on Machine Learning (ICML 2015)
- 👤 **EXP3 with Drift Detection for the Switching Bandit Problem**, Robin Allesiardo and Raphaël Féraud, International Conference on Data Science and Advanced Analytics (IEEE DSAA'2015)
- 👤 **Feedback - Study and Improvement of the Random Forest of the Mahout library in the context of marketing data of Orange**, Cedric Thao, Nicolas Voisine, Vincent Lemaire, Romain Trinquart, Extraction et Gestion des Connaissances (EGC 2015)
- 📖 **First Connectomics Challenge: From Imaging to Connectivity**, Javier G Orlandi, Bisakha Ray, Demian Battaglia Isabelle Guyon, Vincent Lemaire, Mehreen Saeed, Jordi Soriano, Alexander Statnikov, Olav Stetter, to appear in JMLR: Workshop and Conference Proceedings (JMLR W&P 2015)
- 👤 **How to Select Information That Matters - A Comparative Study on Active Learning Strategies for Classification**, Christian Beyer, Georg Kreml, Vincent Lemaire, International conference on Knowledge Technologies and Data-Driven Business (i-KNOW), 2015

Increasing loyalty using predictive modeling in Business-to-Business Telecommunication, Patrick Luciano, Ismail Rebai, Vincent Lemaire, Workshop on ICT and Innovation Forecasting - From Theory to Practice & Applications (ICT 2015)

Incremental Weighted Naive Bayes Classifiers for Data Streams, Christophe Salperwyck, Vincent Lemaire, Carine Hue, in the volume "Data Science, Learning by Latent Structures, and Knowledge Discovery" (2015, Chapter 17) of the Springer Series "Studies in Classification, Data Analysis, and Knowledge Organization"

Learning from multi-label data with interactivity constraints: An extensive experimental study, Nair-Benrekia, N. Y., Kuntz, P., & Meyer, F, Expert Systems with Applications 42(13): 5723-5736 (ESWA 2015).

Online learning of a weighted selective naive Bayes classifier with non-convex optimization, C. Hue, M. Boullé, V. Lemaire, Advances in Knowledge Discovery and Management (AKDM 2015)

Optimised Probabilistic Active Learning (OPAL) For Fast, Non-Myopic, Cost-Sensitive Active Classification, Georg Kreml, Daniel Kottke and Vincent Lemaire, Revue Machine Learning (ML 2015)

Prediction of Methane Outbreak in Coal Mines from Historical Sensor Data under Distribution Drift, Marc Boullé, International Joint Conference on Rough Sets (IJCRS 2015)

Selecting a multi-label classification method for an interactive system. Data Science, Learning by Latent Structures, and Knowledge Discovery, Noureddine Yassine NAIR-BENREKIA, Pascale Kuntz, Frank Meyer, Studies in Classification, Data Analysis, and Knowledge Organization, Springer.

Supervised preprocessings are useful for supervised clustering, Oumaima Alaoui Ismaili, Vincent Lemaire, Antoine Cornuéjols, in the Springer Series "Studies in Classification, Data Analysis, and Knowledge Organization"

Symbolic Representation of Time Series: a Hierarchical Coclustering Formalization, Alexis Bondu, Marc Boullé, and Antoine Cornuéjols, European Conference on Machine Learning (ECML-PKDD Workshop. WK6: Advanced Analytics and Learning on Temporal Data 2015)

Tagging Fireworkers Activities from Body Sensors under Distribution Drift, Marc Boullé, International Symposium Advances in Artificial Intelligence and Applications (AAIA 2015)

TESS: Temporal Event Sequence Summarization, Dominique Gay, Romain Guigourès, Marc Boullé, Fabrice Clérot, International Conference on Data Science and Advanced Analytics (IEEE DSAA'2015)

Un Algorithme pour le Problème des Bandits Manchots avec Stationnarité par Parties, Robin Allesiardo, Raphaël Féraud, Conférence sur l'Apprentissage (CAP 2015)

Une approche Bayésienne pour l'apprentissage de règles séquentielles de classification, E. Egho, D. Gay, N. Voisine, M. Boullé and F. Clérot, Actes de la Plateforme de l'Intelligence Artificielle - Applications Pratiques de l'Intelligence Artificielle (PFIA'15)

Une méthode supervisée d'initialisation des centres pour les K-moyennes, Oumaima Alaoui Ismaili, Vincent Lemaire, Antoine Cornuéjols, Congrès de la Société Française de Classification (SFC 2015)