

Report on the

**2007 PASCAL Bootcamp in
Machine Learning**

Vilanova (Barcelona)
2-13 July 2007

Goal and intended audience

- Solid foundation and hands-on experience in machine learning & related areas
- 43 applications, 38 accepted, 35 attended
- Senior undergrads/MSc's and early PhDs

Speakers & topics

- Colin de la Higuera (St. Etienne, Pascal): Theory of Computation and relations to ML
- Mikaela Keller (U. Pennsylvania): Probability + Graphical Models
- Isabelle Guyon (Clopinet): Basics of ML + Feature Selection and Construction
- Joaquín Quiñonero (Microsoft): Bayesian Inference, Mixtures of Gaussians
- Mark Girolami (Glasgow, Pascal): Kernels and Gaussian Processes
- Ulrike von Luxburg (Tübingen, Pascal): Clustering
- Florence d'Alché-Buc (Paris, Pascal): Kernel Spaces + ML in Bioinformatics
- Bill Triggs (Lyon, Pascal): Machine Learning in Vision

Feedback

- + Few casualties
- + Theory+lab session split
- + Many lecturers stayed for most of the course
- + Networking

- Uneven / diverse background
- Lab sessions need more time
- Publish prerequisites and recommended readings in advance

