



Kernel Methods for Pattern Analysis

Nello Cristianini
University of Bristol, UK

Abstract

We will cover the area of Kernel Methods, including Support Vector Machines, and their applications to problems of pattern recognition, with particular emphasis on those kernels and algorithms that have been used in the context of computer vision.

Syllabus: Linear Pattern Functions, Non-linear Patterns via kernel functions, Statistical learning theory, Optimization Theory, Various kernel based algorithms, Various kernel functions, Examples.