Lecture 17: Regularization Networks
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Description

We describe Radial Basis Function networks and RBF extensions such as Hyper Basis Functions. We derive the relation with additive models, with various types of splines and with other types of neural network architectures.

Suggested Reading

- Girosi, Jones and Poggio. **Regularization Theory and Neural Networks Architectures** Neural Computation, Vol 7, 219-269, 1995.
- Hertz, Krogh, and Palmer. **Introduction to the Theory of Neural Computation** Addison Wesley, 1991.