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On Data Mining and Classification Using a Bayesian Confidence Propagation Neural Network

Roland Orre

Stockholm 2003

Doctoral Dissertation

Royal Institute of Technology

Department of Numerical Analysis and Computer Science

Cover: Illustration of function approximation with output as a posterior distribution.

a: Training, estimate density in data set.

b: Input of specific x , which gives posterior y distribution as output.

Akademisk avhandling som med tillstånd av Kungl Tekniska Högskolan framlägges till offentlig granskning för avläggande av teknologie doktorsexamen måndagen den 22 September 2003 kl 10.00 i Kollegiesalen, Administrationsbyggnaden, Kungl Tekniska Högskolan, Vallhallavägen 79, Stockholm.

ISBN 91-7283-508-7

TRITA-NA-0308

ISSN 0348-2952

ISRN KTH/NA/R--03/08—SE

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Universitetsservice US-AB, Stockholm 2003

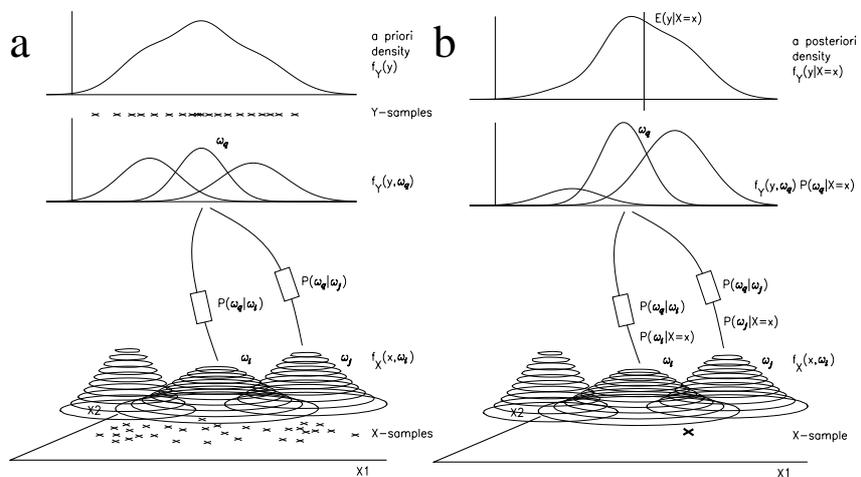


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