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EM algorithm and variants: an informal tutorial

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(Submitted on 7 May 2011 (v1), last revised 7 Sep 2012 (this version, v2))

The expectation-maximization (EM) algorithm introduced by Dempster et al in 1977 is a very general method to solve maximum likelihood estimation problems. In this informal report, we review the theory behind EM as well as a number of EM variants, suggesting that beyond the current state of the art is an even much wider territory still to be discovered.

Comments:	Unpublished
Subjects:	**Computation (stat.CO)**
MSC classes:	62-01
Cite as:	**arXiv:1105.1476 [stat.CO]**
	(or **arXiv:1105.1476v2 [stat.CO]** for this version)

Submission history

From: Alexis Roche [view email]
[v1] Sat, 7 May 2011 21:46:34 GMT (19kb)
[v2] Fri, 7 Sep 2012 09:31:45 GMT (19kb)