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MADALGO seminars by Qin Zhang, Aarhus University

An Efficient Sketch for Earth-Mover Distance

Abstract:

In this talk we will discuss an efficient sketch for Earth-Mover Distance. Our sketch achieves the same space complexity and approximation ratio as Andoni *et. al.* but (1) Our sketch is a linear mapping (embedding) to a product norm space. (2) Our sketch algorithm is much simpler. (3) Our effective use of the low-dimensionality property of a norm may be of independent interest.

Joint work with Elad Verbin