



پژوهشگاه دانش‌های بنیادی

پژوهشکده علوم کامپیوتر

سخنرانی علمی

Approximation Algorithms for Clustering Probabilistic Data

شراره علی‌پور

پژوهشگر پسادکتری ارشد

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Abstract

Uncertainty about data appears in many real-world applications and an important issue is how to manage, analyze and solve optimization problems over such data. An important tool for data analysis is clustering. So, in this talk, we focus on two well-known clustering problems, k-center and k-median, for probabilistic points in a general metric space and present some new theoretical results. Additionally, we explain our experimental results on real data sets.

Biography

Dr Sharareh Alipour is currently a senior postdoctoral researcher at the Institute for Research in fundamental sciences (IPM). Prior to that she was a postdoc fellow at the IPM for three years. She received her Bsc, Msc and Phd from Sharif university of technology. Her research interests include theoretical computer, mainly design and analysis of algorithms and randomized and approximation algorithms, graph theory and also computational geometry.

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