Soledad Villar\textsuperscript{*} (mvillar@math.utexas.edu), speedway 2515, RLM 8.100, Math department, Austin, TX 78712, and Pranjal Awasthi, Afonso S Bandeira, Moses Charikar, Ravishankar Krishnaswamy and Rachel Ward. Convex relaxations in geometric clustering.

We study exact recovery conditions for convex relaxations of point cloud clustering problems, focusing on two of the most common optimization problems for unsupervised clustering: \( k \)-means and \( k \)-median clustering. (Received January 20, 2015)