Improvement of user-based CF by using spectral clustering techniques





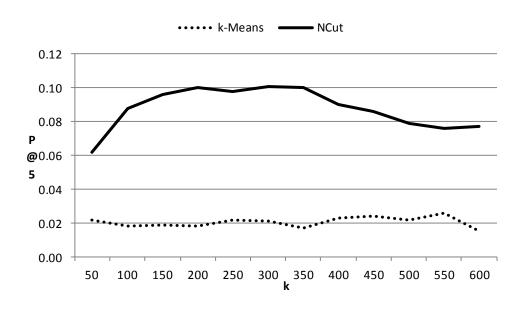
neighbours identified based on a clustering method Spectral Clustering: Normalised Cut





neighbours identified based on a clustering method Spectral Clustering: Normalised Cut

Better than k-Means: performance

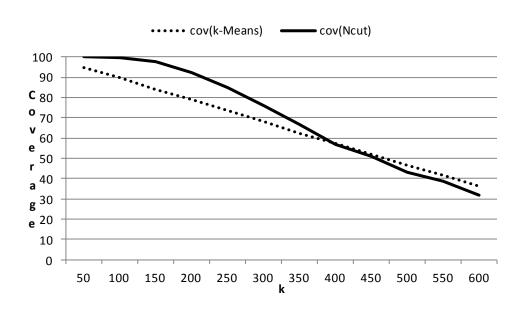






neighbours identified based on a clustering method Spectral Clustering: Normalised Cut

Better than k-Means: coverage



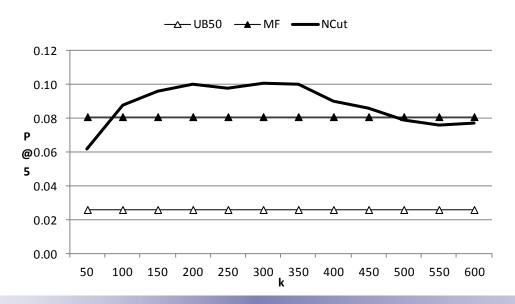




neighbours identified based on a clustering method Spectral Clustering: Normalised Cut

Better than k-Means

Also better than MF and standard UB







Using Graph Partitioning Techniques for Neighbour Selection in User-Based Collaborative Filtering

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