CMU SCS

15-826: Multimedia Databases and Data Mining

Lecture #7: Spatial Access Methods - IV Grid files, dim. curse *C. Faloutsos*































































































































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Dim. reduction - w/ fractals

• Main idea: drop those attributes that don't affect the intrinsic ('fractal') dimensionality [Traina+, SBBD 2000]

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References cnt'd

- Weber, R., H.-J. Schek, et al. (1998). A Quantitative Analysis and Performance Study for Similarity-Search Methods in high-dimensional spaces. VLDB, New York, NY.
- Yao, A. C. and F. F. Yao (May 6-8, 1985). A General Approach to d-Dimensional Geometric Queries. Proc. of the 17th Annual ACM Symposium on Theory of Computing (STOC), Providence, RI.

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