

A review on Data Reduction Techniques

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ABSTRACT: The data reduction techniques are preprocessing techniques. These techniques remove unimportant, less important, noisy, repetitive, and outlier data from the dataset and create representative data without changing the distribution of the dataset. The data is reduced in terms of instances and attributes. The data reduction helps to reduce the processing overhead of machine learning algorithms in terms of time and memory. It also requires less storage space. The attribute and instance reduction techniques are studied separately. This work proposes a study on data reduction techniques its advantages and limitations. Based on the study, a new combine approach is proposed. The proposed approach will collectively work on attribute and instance reduction.