

# Clustering Techniques in Data Streaming: A Survey

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**ABSTRACT:** DataStream continues to be a problem due to a single scan clustering, limited processing time, memory usage, the shape of cluster, evolving data, and outliers. In the last few years, a lot of research has been done in development of clustering algorithms to obtain subset from datasets. There are many applications of streaming data such as real-time data analytics, internet traffic, sensor data, Medical data application, network monitoring, business applications, and so on. The inherent category of stream data demands an evolution of algorithms competent to perform fast and incremental processing of data entities. In this paper, we present a short survey for a data stream clustering algorithm and discussion on five main types of clustering algorithms namely hierarchical, partitioning, grid-based, density-based, and model-based algorithms. Also, this work addresses different research gaps, and an issue encountered in the field of data stream clustering.