

# Analysis of the Suitability of Data Structures and its Application

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**Abstract:** *This article seeks to offer insight into the utilization of data structures in the field of information retrieval. With the growing demand and importance of sharing and analysing knowledge, information retrieval is becoming a prominent area of research. Data structures have long been a focal point of research in the discipline of computer science. With the rapid increase in data volume, it is imperative to have efficient data structures.*

**Keywords:** Data structures, Information retrieval