

## Predictive Analytics using AI in Healthcare

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### **Abstract:**

Advancements in Artificial Intelligence have grown leaps and bounds in the past decade or so. These innovations now open new possibilities for data analytics, specifically in the field of healthcare. Predictive analytics using AI involves leveraging machine learning (ML) and advanced statistical techniques to analyze current and historical data, predicting future outcomes and trends. This paper examines the application of AI in such analytical use cases like disease outbreak predictions, identification of high risk patients, personalizing treatment plans, etc. We will explore the various possible applications of AI in analytics, the nuances of collection and processing such data and challenges with such usage.