



The Advent of Data Science in Healthcare Data

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Data has become an important ingredient in our daily lives. Whatever we do on a system or mobile instantly becomes part of the millions and millions of peta bytes of data that is being produced, manipulated and stored at different places. Healthcare is crucial area where the concerned data can be worked upon in several ways to unearth the hidden relations (Data Science) or several proved algorithms can be applied to predict what might happen in the future (Machine Learning/Deep Learning). With the rise of smartphone apps that can monitor personal health parameters using sensors and analysers, the use of Data Science in healthcare has become more critical.

Data Science in the Healthcare Industry has become extremely crucial in our lives after the Coronavirus has forced its way into human lives. We can further state that the mobile apps that are being used for doctor consultation, buying medicines online, take a note of our body state at different intervals etc. are all related to Data Science in a direct or indirect way. This data might also include visualized data or image data.

Before we can set our goal on a particular sub-type of Healthcare data that we have to work with, the data has to be explored, learnt and understood first. After this process is completed, we can proceed further as follows:

- Unearth the hidden patterns in the data through statistical methods
- Predict about what might happen for a user through available data through predictive algorithms

- Apply different Machine Learning algorithms for classification or association processes and so on.

From this short discussion on Data Science, in Healthcare field, the applications possible have been mentioned briefly. The readers of the journal have to explore all the articles that are available to them through the journal, understand the concepts and ideas, and come to a conclusion on what is now happening currently in the IT industry and how they can research or understand the scenario.