

Time series on Data

Time series datasets like electronic health records represent sources of information spanning a patient's entire lifetime of care. The dataset capture lifestyle and genetic risks , signal the beginning of a disease, indicate the time and stage of diagnosis and document the development of treatment plans. We develop machine learning learning models that give interconnected understanding of an individual's trajectories of health and disease- including the individual's number of states needed to provide accurate representation of a disease, how to deduce a patient's current state,etcetera, by using patient data generated at each

of the points in the pathway of care. We can use full capabilities of ML to create long-term comprehensive patient management programs that can evolve with each individual changing context and history.