

ABSTRACT

A disease abnormal data detection method including forming time series data X by acquiring disease monitoring data from time point 0 to t, and calculating a mean μ_i and a standard deviation σ_i of the disease monitoring data in a time window corresponding to the time point i , the size of the time window corresponding to the each time point being w ; obtaining an mz list by calculating a moving-z-score value of disease monitoring data x_i corresponding to the time point i , according to μ_i and σ_i ; determining an abnormal value threshold of the time series data X according to the mz list; determining the disease monitoring data x_i is an abnormal value when is greater than the abnormal value threshold. A disease abnormal data detection device, a computing device, and a non-transitory readable storage medium are also disclosed. This present disclosure can realize efficient and accurate disease abnormal data detection.