Health Status Monitoring of COVID-19 Patient's through Blood Tests and Naïve-Bayes

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Abstract : Analysing clinical data with computers in such a way that have an impact on the practitioners' workflow is a challenge nowadays. This paper provides a first approach for monitoring the health status of COVID-19 patients through the use of some biomarkers (blood tests) and the simplest Naïve Bayes classifier. Data of two Spanish hospitals were considered, showing the potential of our approach to estimate reasonable posterior probabilities even some days before the event.

Keywords : Bayesian model, blood biomarkers, classification, health tracing, machine learning, posterior probability
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