

**Analysis of time series of hospital bed occupancy rate****Ediney Magalhães Júnior<sup>1</sup>**

**Abstract:** Efficient management of a hospital's operating bed increases the supply of beds to the health system. Assessing the degree of utilization of operational beds is of paramount importance in adapting the qualification of professionals and adequate structures to provide this assistance to whoever seeks it. In this context, every organization needs to prepare in advance to meet this demand, but if this preparation is effective there is a need to know the size of this demand, its characteristics and relationships with the various factors that influence it. For this purpose it is necessary to apply statistical techniques to analyze time series in order to verify not only the size of this demand, but also its correlations, autocorrelation, trends and seasonality.

.

.

**Keywords:** operating bed; correlations; autocorrelation; trends; seasonality.

---

<sup>1</sup> Graduando do curso de Estatística na Universidade Federal de Mato Grosso - UFMT.  
email: edy.estadistica@gmail.com