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A Case Study

Formation of trends in scalar time series

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ABSTRACT : In this paper, a time series {X(t, ω), t ∈ T} on (Ω, C, P) is explained. Where, X is a random variable (r.v.). The properties of stationary with supporting real life examples have been taken and conslusion have been drawn by testing the methodology of hypothesis. Female birth data for 33 years from two districts of Marathwada in Maharastra state were analyzed. A preliminary discussion of properties of time series precedes the actual application to district-wise female birth data.

KEY WORDS : Time series, Regression equation, Auto-covariance, Auto-correlation

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