ON STATISTICAL CONVERGENCE WITH RESPECT TO MEASURE

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Abstract. Several notions of convergence for subsets of metric spaces appear in the literature. In this paper, for real valued measurable functions defined on a measurable space \((X, \mathcal{M}, \mu)\), we obtain a statistical version of Lebesque’s bounded convergence theorem (when \(\mu(X) < \infty\)) and examine the validity of the classical theorems of Measure Theory for statistical convergences.


Keywords and phrases: Statistical convergence, measurable function.

REFERENCES