Journal of Classical Analysis
Volume 10, Number 1 (2017), 77–85
doi:10.7153/jca-10-08

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 $(X, \mathscr{M}, \mu)$, 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.

Mathematics subject classification (2010): 40G15, 40A35.
Keywords and phrases: Statistical convergence, measurable function.

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