

## **Multiple-sample test for fuzzy random variables**

Corral, N.; González-Rodríguez, G.; López-García, M.T.; Ramos, A.B.

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In this paper a bootstrap approach to testing the one-way ANOVA hypothesis for general fuzzy set-valued random elements is presented. This approach is based on the support function of fuzzy sets, a generic metric between fuzzy values, and result which guarantees the consistency of the classical bootstrap on Banach spaces. The approach leads to a technique which can be applied without relevant constraints.