

عنوان مقاله:

Dp,q-DISTANCE AND ITS APPLICATION FOR CONSTRUCTING CONFIDENCE INTERVAL FOR Cpm BASED ON FUZZY DATA

محل انتشار:

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خلاصه مقاله:

A measurement control system ensures that measuring equipment and measurement processes are fit for their intended use and its importance in achieving product quality objectives. In most real life applications, the observations are fuzzy. In this paper, first we use the $D_{p,q}$ -distance for the point estimation of process capability index C_{pm} based on fuzzy data and use this estimation for constructing confidence interval for C_{pm} and present a membership function for C_{pm} . A numerical example has presented for showing the sensitivity of this new approach with respect to the ambiguity of target value

کلمات کلیدی:

$D_{p,q}$ -distance; Process capability index; Triangular fuzzy number; Fuzzy random variable

لینک ثابت مقاله در پایگاه سیویلیکا:

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