



PROBABILITY-STATISTICAL INVESTIGATE OF DRY RESIDUE DATA

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Abstract. The purpose of this study was thus to during the initial statistical reporting of observational data, studies are conducted using various statistical characteristics, each of these values is random. Soil samples were taken a total of 47 observational data from experimental plot-1 and a total of 231 observational data from experimental plot-2 sections of the research area . Abnormal data's have been removed from report whose by the Grabs-Smirnov methods and estimated theoretical distribution based on constructed distribution curve and according to universal statistical criterion Pearson or the χ^2 (chi-squared) criterion is used for comparing empirical and theoretical distributions. According to from Pearson's criterion $\chi^2 = 4.65$ the constructed distribution curve corresponds to the empirical and theoretical distributions from experimental plot-1, hence the null hypothesis of a Charlier distribution cannot be rejected. Analysis from experimental plot-2, indicated that it exponential distribution $f(x) = \lambda e^{-\lambda x}$, used descriptive statistics and critical values of the χ^2 , respectively.

Communicated by Messoud Efendiyev; Received November 2, 2024

AMS Subject Classification: 63P30, 62Q05.

Keywords: statistical characteristics, dry residue, observational data, distribution, frequency, distribution curve, soil salinity.