# A Review on Characterizations of Distributions and Related Issues

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## Abstract

Characterization of distributions is a classical topic in Statistics. Characterization theorems would help us better understand the structures of the distributions, and can be used to determine the distribution of the observations. In this talk, we focus on some joint works with Prof. Wen-Jang Huang to give a survey of characterizations of distributions and related issue. We will present some characterization results based on conditional moments, order statistics and record values. Their related studies on distribution theory will also be discussed.