

ON THE EFFICIENCY OF A DUAL TO RATIO-CUM-PRODUCT  
ESTIMATOR IN SAMPLE SURVEYS

HOUSILA P. SINGH and RAJESH SINGH

School of Studies in Statistics, Vikram University, Ujjain MP, India

MARIANO RUIZ ESPEJO\* and M. DELGADO PINEDA

Departamento de Matemáticas Fundamentales, Universidad Nacional de  
Educación a Distancia, Facultad de Ciencias, Madrid, Spain

and

SARALEES NADARAJAH

Department of Mathematics, University of South Florida, Tampa FL, USA

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ABSTRACT

This article suggests a dual to ratio-cum-product estimator for finite population mean that is complementary, in a certain sense, to the commonly used ratio-cum-product estimator reported by Singh [4]. The expressions for bias and mean square error of the proposed estimator have been obtained to the first degree of approximation. This study also generalises the work of Srivenkataramana [5] and Bandyopadhyay [1]. To illustrate the results an empirical study is carried out.