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No part of this dissertation has ever been submitted for the award of any degree or diploma. The first section of Chapter Two is based on a paper by the author published in the Calcutta Statistical Association Bulletin (1964). Parts of materials contained in the first section of Chapter Four and in Chapter Six were published in two issues of the I.S.Q.C. Bulletin. A portion of the matter discussed in Chapter Seven has been submitted in the form of a paper written jointly with Professor P.K. Bose to the proposed S.N.Roy Memorial Volume.

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