PREFACE

Some of the papers in this volume of "Acta Universitatis Lodziensis" have been invited for presentation at the WAS-meetings in Łódź in 1985 and some of them have been written only for this volume. As in the earlier volumes No. 34 and 48 the subjects covered by the papers were chosen to represent areas of active current interests to theoretical and applied econometricians and statisticians.

The papers can be grouped into four parts. The first part of the volume consists of the papers on the possible use of classification (taxonomic) methods in determining the domain of explanatory variables, in determining the domain of linear one-equation model, interpolating missed values in data matrix and determining the homogenous groups of objects for purposes of regression analysis (see papers P2, P3, P4 as identified from the contents list).

The second part of the volume consists of the papers concerning approximation methods of moments for statistics. In the work P1 there is a description of quite general method of approximation for vector-valued statistics similar to ones that are empirical counterparts of ridge estimators (see the paper P1) or scalar-valued D-W statistic (see P9).

The third part of the volume consists of the papers concerning detection and treating some peculiar data phenomena, i.e. ill-conditioned data, outliers and influential results of observations (see the papers P7, P6, P10). Suggestions, how to use this kind of information are also given.

The fourth part of the volume consists of the papers dealing with estimation methods for special models of applied econometrics, i.e. disequilibrium models and linear models with errors-in-variables (see P5 and P8 papers).

In most of the papers some modifications of known methods and some new results of studies are included.

The editors hope that the volume would meet some interest and discussion in circles of theoretical and applied econometricians and statisticians.

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