Preface

The preparation of the presented book was inspired by the undertaking and carrying out the series of lectures and laboratories on the specialisation Management of the Warsaw School of Economics in two spring semesters 2012 and 2013 and accessing the programme: "Young Design Management".

Therefore, it may be said that the textbook is the consequence of that action. Overall, it was one year and a half between my talk with the Leader of the programme "Young Design Management" Professor Ph.D. Hab. Krzysztof Marecki and my study-scientific visit in the USA and preparation of these materials.

The book does not provide students with the answer to the questions: Why doing statistics is more difficult than watching TV?, Why is statistic such a difficult subject? or Why is statistics such a tough subject for so many people?

Instead, they will find answers to many questions concerning statistics, beginning from: What is statistics? What is statistical thinking so omnipresent nowadays? What is descriptive statistics? and What does it mean statistical inference? What does it mean correlation and regression? or How should time series be interpreted?

In my opinion, statistics is the fantastic subject, easy and enjoyable, and most of all extremely profitable and useful in both professional job and everyday life. Hence, strongly believing in that, I would like to present the work: “Statistics for Management and Economics”. The structure of the book is presented in the picture below:

Picture of the book "Statistics for Management and Economics"
Out of the sense of duty, I will add that each of the chapters includes the theoretical review with the stress on fundamental issues and assumptions and it ends with a subchapter presenting examples and exercises. The difference between examples and exercises consists in the former being supplemented with the complete solution and interpretation. The solutions are presented in a following way: the initial manual calculations are followed by computations with the use of Excel and SAS. The usage of Excel and Enterprise Guide is presented to various extents in different chapters. The exercises include tasks for solving by students themselves. Most of them, although not all, are presented with solutions.

I do certainly hope that the book Statistics for Management and Economics is the first volume – basic level; the second volume – advanced level will be prepared soon on the basis of my experience from the course on statistics I have taught within the framework of the doctoral studies in English for the students of the Collegium of World Economy WSE, “Ph.D. Programme for Management and Economy”.

Now, there is time for acknowledgements. I would like to offer my sincere gratitude to the SAS Institute Poland and SAS Institute, Cary, NC- USA, particularly to:

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In the twenty first century, statistics is omnipresent. This omnipresence is followed by constant change in statistical thinking, which facilitates understanding and appliance of statistical methods and analyses in many domains. I do certainly hope, that the material included in this textbook will allow acquiring some more knowledge of statistics and statistical thinking.

\textit{Warsaw, December 2014.}