THE UNFOLDING OF PHILOSOPHY AND LOGIC INTO THE COLLECTIVES' CONCEPTUAL SPACE AS A CONCRETE HISTORICAL PROCESS

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The article is a further development of the preceding one published in journal Statistika, N5, 1992. In the former article the interrelations between the General Theory of Statistics (GTST) on one hand, and the Philosophy (Ph) and Logic (L) on the other, have been studied. It was clarified that these interrelations are based on more complicated relationships: between the philosophical idea of simple unit (the „individual") from one side, and the idea of a higher order individiual, the collective of units, from the other, as well as between the idea of a simple characteristic on one hand, and the idea of frequency distribution being a higher order characteristic, on the other.

Against the background of these logically determined relationships the present article is rather a historiographic one. It is revealing that the GTST as a higher order Ph and L came into being in the second half of the 19-th century as an outcome of a very long historical development persistently subject to the impact of practical and scientific needs. Exploiting a wide range of literary sources the article establishes the fact that since the times of the ancient Greeks the evolution has spontaneously generated fragments of „statistical" ontology, „statistical" epistemology, „statistical" formal logic as well as of „statistical" applied logic, i.e. „statistical" methodology.

To the author's opinion, this process of statistifying the philosophical and logical notions, statements and ideological doctrines is still going on, constantly systemizing and improving oneself. At present, it seems to get free of the rather old-fashioned terminology of the „statistical" language and to accept the infinitely more adequate and sophisticated language of Ph and L itself. The language of Ph and L is a potentially unifying language for both Ph & L and GTST. It is the language which allows to contemplate Ph and L as a special, highly simplified limiting case of the better structuralized and much more flexible, being probabilistic, macro-conceptual form of Philosophy and Logic, i.e. when the stochastic component of the variance σ^2_ε hypothetically vanishes and the volume N of the collective hypothetically reduces to 1.

On the eve of the Third millennium after Christ theoretical statisticians look like anticipating a Copernican turn in the vision of their science. The ambition of this article is to help transforming the common vision into a deeper understanding of the GTST essence.

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