

TRENDS IN STATISTICAL EDUCATION IN UKRAINE

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The goal of the present poster is to summarize current state of affairs in Ukrainian statistical education which is an integral element of the higher education curriculum. Professional statisticians are being trained at 8 higher education institutions (3 are located in Kyiv, and 1 in each of the following cities: Kharkiv, Odesa, Lviv, Donetsk and Dnipropetrovsk) using curricula developed according to the standard for Applied Statistics discipline.

There exists a certain deficit of professionally-trained specialists to work in the central and regional state statistics bureaus. The task of filling this gap as well as further development of the specialist training for the state statistics is addressed in the "State Statistics Development Strategy 2012". This document has the same priorities as the Ukraine-European Union Action Plan and Eurostat's Community Statistical Programme 2008 to 2012.

The above mentioned higher education institutions teach statistics throughout the period of studies both in the framework of general mathematical curriculum: mathematical statistics, theory of probabilities, econometrics and as a part of vocational (professional) training: theory of statistics, statistical modeling and forecasting, economic statistics, national accounts statistics, social statistics, demographic statistics, international statistics, market statistics, labour statistics, enterprise statistics at the micro level, financial statistics etc. Students who are enrolled in other majors of Economics and Entrepreneurship/Management streams study several standalone statistical subjects which are relevant to their chosen major. This poster does not address curricula of students in technical, natural sciences, humanities and other streams.

The study of statistics at higher education institutions is preceded by the study of the basics of theory of probability and mathematical statistics in high school within the "Algebra and Introduction to Calculus" courses. Statistical chapters have been introduced to high school curriculum only a few years ago and schoolteachers are still going through the skill advancement courses. At the same time Independent Tests in Mathematics started to include statistical problems which are proving challenging to many students. The poster describes teaching at the above mentioned institutions – classical and economic universities.

There exists another higher education institution in Ukraine which is in the jurisdiction of the State Academy of Statistics, Accounting and Auditing (SASAA). Its special place is owed to the following features: 1) Close relations between the academic process and real-life problems of state statistics assured by inviting key professionals from Derzhkomstat (Ukraine's National Statistics Committee) to teach at the Academy as well as sending interns to work at the central and regional statistics bureaus. 2) A network of affiliate colleges SASAA in every major city to train statisticians for regional bureaus. 3) Skill advancement programs which are being aligned with international standards in teaching methodology and IT. 4) The Academy offers continuing education/re-qualification programs or second higher education degree in Applied Statistics based on the first degree with economic emphasis.

As a conclusion, in order to promote social and economic development, there is a need to bring to Ukraine and utilize international experience in statistical education.

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