



2. Description of Statistics

The term “statistics” is mainly used in two meanings. The first meaning expresses the scientific methodology of the word. The key part of the statistics, as a science, makes up the mathematical statistics that is the branch of mathematics and pertains to so called “stochastic mathematics”. The later studies the regularity of random phenomena, the core of which is the probability theory that was created and developed with the aim to solve the human vital challenges. This scientific direction studies the regularities of mass random phenomena of special range. For instance, the damaging of the insured entity (house, car, etc.) due to disaster or other accident is a result of “contingency”, however it is possible to make more reliable conclusions on general situation of such numerous entities.

The second meaning of the term by the word composition reflects the conception of “states’ description (arguing)” in the context of numerical data. In this case, the collecting, editing and keeping possibilities are continually developed. From the viewpoint of the mentioned meaning, adjectives are made up that indicate the applicable sphere while presentation of relevant data description. For instance, population statistics, which is also called demography (it characterises the population distribution by periods, sex, age, settlement, place of birth, birth, death, marriages, education levels, crimes frequency, etc.), meteorological statistics (it studies data on temperature distribution by different periods, precipitation, directions and speeds of winds), economic, geological and exploratory, medical, health, international, environment and other types of statistics.

Among the contemporary public the peculiarities of statistics are characterised by requirement of advanced development of the information sphere over the other spheres, consequently also by advanced valuation (prising) of information activity and systems. The statistics peculiarity is also characterised by necessity of improvement of the collection, processing, summarising methodology of data regarding general public and all other units of society, as well as by continuous growth of the demand for

information containing economic, social, demographic and environmental indicators of the country.

State statistics is an activity to be implemented by the state statistics body according to the state statistical work program that directed to numerical characterising of regularities of qualitative and quantitative relations of socio-economic, public phenomena and processes under the definite conditions of the time and space.

Statistics doesn't implement production activity, however the results of its activity interest all institutional units and sectors of society, state government and local self-government bodies, business, scientific and educational spheres, mass media, public and international organizations and the whole society.

The peculiarity of statistical science is regular improvement and development of methodology targeted to maximal reduction of the statistical discrepancies and faults. Even the more unified methodologies that are developed and adopted by the UN Statistical Commission, particularly the methodology of national accounts, are seriously reviewed once in three- or five-year.

The statistical discrepancies and faults are unavoidable while accounting, as each accounting methodology is originally structured based on definite real restrictions (resource, legal, moral and psychological, climatic, etc.) and definite abstract foresight imaginations. For instance, even under the conditions of Soviet Union statistics structured on the principle of exhaustive and inclusive accounting, the indicator of physical volume of retail trade of this or another food, together with the indicator of financial circulation could not reflect the whole volume of the given food's trade turnover, as the factors, such as underweighting, the non normative (standard) fluctuations of air humidity shares (indicators), etc. were not accounted by the methodology.