THE USE OF CORRELATION AND REGRESSION ANALYSIS FOR ELABORATING NORMS OF WORK

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Abstract. The article is devoted to the use of correlation and regression analysis in the sphere of regulation of labor. In the first part of the article the author examines the definitions of «work», «regulation of labor», reveals the basic functions of work measurement and the content of the standards design process. In the second part of the article the author gives the definition of correlation and regression analysis, reveals the possibility of its applying for calculating the time-norms. Indicators are described to assess the closeness of the relationship and the quality of the regression model for univariate and multivariate analyzes. Examples are shown producing mathematical relationships between labor content and constructive-technological products parameters in the Statgraphics program. The article may be of interest to professionals involved in the of work measurement, as well as for students enrolled in the economic areas.

Keywords: regulation of labor; correlation and regression analysis; work; time standards; labor intensity.

JEL codes: J 01; C 15.

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