INNOVATIVENESS OF LUBLIN REGION ENTERPRISES. THE ATTEMPT OF DIAGNOSIS AND PROGNOSIS

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Abstract

In the article the logistic regression modeling method was proposed to evaluate the innovativeness of 207 inquired enterprises of Lublin Region. Single and multiequation models describing the process of introduction in 2002 and the plans of introduction in 2003 of the technological, organizational and product innovations were built. Checked with many indicators (Pearson chi – squared statistic, t – Student statistic, Wald $\chi^2$ statistic, Odds ratio, Likelihood – ratio statistic, McFadden determination coefficient and others) the quality of estimation seems to be sufficient. Estimated models show that bigger firms of good current and future standing are more likely to introduce innovations. On one hand, big number of firms are simultaneously introducing different types of innovations. On the other hand, a lot of firms do nothing within the area of innovativeness, which is the reason of low rate of the development of Lublin Region.