

Regression Analysis of the Specialists' Service Reviews

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key words

educational level, time of becoming in office, approximation, regression equation

We have proposed a methodology for constructing statistical regression models for analyzing service reviews for specialists in the operation of rocket and space technology, taking into account the level of a specialist's academic performance in a higher educational institution, as well as the models themselves. The calculations of the correlation index, determination index, average relative error of approximation of the regression equation, Fisher's F -criterion for the proposed models have been performed. We believe that, despite a significant share of subjectivity in assessing the success of young specialists in the operation of rocket and space activities and the limited possibilities of obtaining statistical samples, the construction of regression models is an urgent direction in the field of predicting the ability of an organization operating a spacecraft to achieve functioning goal(s).

We are confident that further research in this direction will most likely allow us to confirm the proposed regression models and use them to provide information support for planning processes and forecasting the results of the activities of organizations operating the spacecraft.

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