

Long-Range Passenger Transportation Planning. Econometric Modeling

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key words

modeling, planning, regression, transportation, competition, transport, infrastructure

The successful operation of the transport infrastructure makes a major contribution to solving the main tasks of the country's economic and social development. Econometrics allows us to study the dependencies of the economic performance of a passenger company using empirical data. In the article, the main goal of econometric research is to build a model, as well as forecast indicators for future periods, using statistical and mathematical methods.

We have built and showed the relationship between the main indicators of the financial and economic activities of JSC FPC on the basis of the classical linear regression model. The study allows us to conclude that the main factor influencing the increase in revenue / income from the main activity of a transport company is the utilization rate of the capacity of passenger cars. The calculations carried out are applicable when planning long-distance passenger transportation when justifying the need to increase the capacity of cars in order to increase revenue from the sale of transport services.

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