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PASSENGER TRAFFIC STATISTICS

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Passenger transport has become an important part of the life in a modern city. Its main task is to cater for the needs of people in transportation and at the same time to improve standards and quality of passenger service.

It goes without saying that with the overall growth of the population and the urban area, transport mobility of city residents increases all the time. Also, the distance per trip keeps growing. So, further development and improvement of the quality of passenger transportation service is the goal for transportation providers and can be implemented largely by means of passenger traffic statistics and its tools.

Let's consider the description of passenger transport system of the Republic of Belarus and its dynamics for the period from 2019 to 2021 based on statistical data of the National Statistical Committee of the Republic of Belarus.

The volume of passenger traffic in 2020 was 1,639,172.5 thousand people, which is 17.83% less than in 2019. In 2021 it decreased by another 2.9%. The most popular mode of transportation is automobile. The share of automobile transportation in 2019 was 59.5% of all modes of transportation, in 2020 – 60.5%, in 2021 – 59%. The least popular are inland waterway and air transport.

Passenger turnover index figure is an indicator of the volume of passenger transportation in passenger-kilometers and is calculated as the multiplication of the number of passengers by the distance of transportation for each kind of transport. The passenger turnover in 2020 decreased by 32.76% compared to

2019 and increased by 12.45% in 2021. Over long distances, road, rail, and air are the most used modes of transportation. For short distances, subway is preferred.

Passenger transportation and passenger turnover indices are relative statistical figures that characterize the change in the volume of passenger transportation and passenger turnover in the course of time respectively. The passenger volume index in 2019 is 100.8% by 2018. In 2020, the passenger volume index decreased by 17.8%. In 2019, the passenger volume index was 39.8% higher than in 2020. [1]

Passenger transport enterprises engaged in socially important transportation are now in a difficult financial and economic situation due to the lack of their own funds, limited subsidies allocated from the national budget. The efficiency of passenger transport was reduced significantly by 2020. The decrease in the volume of transportation and passenger turnover in 2020 was caused by the peak of the COVID-19 pandemic. Efficiency was partially restored in 2021, but never returned to the level of 2019. Transportation sector was the most unprofitable in 2020.

Over the past 30 years, there has been a steady decline in the volume of passenger transportation and passenger turnover performed by public transport. One of the reasons for this tendency is the rapid increase in the number of passenger cars in private ownership of citizens.

References

1. Основные показатели работы транспорта. [Electronic resource]. – Mode of access: https://www.belstat.gov.by/ofitsialnaya-statistika/realny-sector-ekonomiki/transport/godovye-dannye/osnovnye-pokazateli-raboty-transporta/. – Date of access: 03.04.2023.