

Analysis of the frequency of connections in Czech railway transport

Abstract

This paper deals with cartographic representation of frequency of connections in maps and with analysis in suitable level using software ArcGIS 9.3. Theoretical part is aimed at train categories and use of GIS mainly in analysis of traffic accessibility. Next there is a description of used methods which are isoline and cartodiagram. The main part of the paper describes a creation of relevant data layers and methodology of data capture. Here is also evaluation of the results and suitability of used methods. The frequency of connections is divided into two types. Their differences are discussed in final section where is also warning about several complications that occurred during the work. The main output are two maps for the Czech Republic and one for Středočeský district.

Keywords: frequency of connections, accessibility, cartographical methods, railway transport