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The Impact of Artificial Intelligence technologies on the Employment in Transportation & Logistics Industry in Poland and Ireland.

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Abstract

Artificial Intelligence and intelligent, automated systems have been present in many areas of human lives since mid twentieth century. They influence the society and also have a great impact on the job market and the demand and supply of the labour workforce. Transportation and Logistics are the industries that have been heavily impacted by the implementation of new technologies, mostly self driving vehicles, but also Internet of Things, bionic enhancement, usage of big data, machine learning and augmented reality.

In this dissertation the author answers the question of the impact of Artificial Intelligence technologies on the employment in Transportation and Logistics industry in Ireland and Poland. In the first part of the dissertation the author analyses the intelligent technologies and their use cases in Transportation and Logistics. The second part focuses on the research and answers the question of the changes in the labour market in Transportation and Logistics based on the implementation of the Artificial Intelligence.

The quantitative analysis of the secondary data was chosen as the strategy for answering the main research questions and as well as find information on other topics that supporter the proving of the main hypothesis. The author managed to answer the research question with the secondary data research however this method also proved some limitations and it is recommended to conduct further research that would focus on the smaller but more precise sample of data.

The author proves that the implementation of Artificial Intelligence increases the dynamics of the labour market in Transportation and Logistics, however the number of jobs does not decrease. The sector is heavily dependent on the demographic changes in the population as well as the macro-economic factors like GDP.