

Factors affecting the innovation in logistics information systems for logistics service providers in Taiwan

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Abstract

It is essential that logistics service providers invest in information systems to help them coordinate the supply chain networks. This paper studies the factors affecting the innovation in logistics information systems for logistics service providers in Taiwan from the perspective of internal and external context. A questionnaire is developed to survey the innovation in logistics information systems for logistics service providers in Taiwan. The method of factor analysis is used to find some major configurations for each influential factor and the multiple regression method is employed to analyze of the influences of the configurations on the innovation in logistics information systems. It can be found that both internal and external factors have significant influences on the innovation in logistics information systems for logistics service providers in Taiwan.

Keywords : Information system, logistics service providers, determinants of innovation.

1. Introduction

Innovation is one of the important tools for enterprises to keep their competitive advantage [9,21]. The survival of an enterprise depends on how to improve their innovation capability. Moreover, given the rapid development in information and communication technologies, business environment are changing dramatically in this digital age. The rapidly changing and uncertain environments make enterprises face the biggest

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