

工程与应用

供应链协同管理的绩效评估

王红梅¹, 史成东^{1,2}

1. 山东理工大学 电气与电子工程学院, 山东 淄博 255049

2. 西安理工大学 工商管理学院, 西安 710048

收稿日期 2007-12-10 修回日期 2008-2-26 网络版发布日期 2008-12-28 接受日期

摘要 供应链协同管理是通过对供应链系统的人力、物力、资金及信息等资源的规划、组织和控制, 来实现其目标。供应链协同管理的效果如何, 可通过绩效评估进行检验, 他是协同管理的一个重要环节。使用平衡积分卡、粗糙集中启发式属性约简的方法和BP神经网络的理论, 探索建立了平衡积分卡、启发式属性约简和BP神经网络相结合的供应链协同管理的绩效评估模型。并结合一个实例, 首先对其基于平衡记分卡的指标体系进行了约简, 然后将约简的评价指标输入到BP神经网络中进行智能训练, 最后把评估的样本输入到训练好的BP网络中得出供应链协同管理的绩效评估值, 评估结果与实际结果基本吻合。

关键词 [平衡积分卡](#) [启发式属性约简](#) [BP神经网络](#) [供应链协同管理](#) [绩效评估](#)

分类号

Performance evaluation of supply chain collaborative management

WANG Hong-mei¹, SHI Cheng-dong^{1,2}

1. School of Electric and Electronic Engineering, Shandong University of Technology, Zibo, Shandong 255049, China

2. School of Business Administration, Xi'an University of Technology, Xi'an 710048, China

Abstract

Supply chain collaborative management is coordinated through the planning, organization and control of human, material, financial and information of supply chain system to achieve their goals. How about their collaborative management effectiveness? It can be verified through the performance evaluation which is one of important links of collaborative management. This article sets up a supply chain collaborative management performance evaluation model based on balanced scorecard, heuristic attribute reduction and BP neural network, and gives a practical example, firstly reduces its index based on the balanced scorecard system, then inputs the reduction index to BP neural network for intelligent training, Finally, inputs the evaluated sample to the trained network BP and gets evaluation value. The evaluating result is matched with the actual result.

Key words [balanced scorecard](#) [heuristic attribute reduction](#) [BP neural network](#) [supply chain collaborative management](#) [performance evaluation](#)

DOI: 10.3778/j.issn.1002-8331.2009.01.071

通讯作者 王红梅 scd0211@163.com

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF\(924KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ [本刊中 包含“平衡积分卡” 的相关文章](#)

▶ [本文作者相关文章](#)

· [王红梅](#)

· [史成东](#)