工程与应用

BP神经网络在电信计划预测的应用研究

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摘要 如何在满足服务需求与市场需求的同时降低企业的投资,变成了一个电信企业必须面对的问题。基于神经网络的电信计划分析预测,可以综合考虑许多对电信计划有影响的因素,比如:产品消费量,服务质量,用户数量,设备性能,收入,投资等等。结合真实的电信计划预测情况,给出了计划预测神经网络模型,并以一个城市的电信计划预测的真实情况为例,验证和分析了预测模型较高的精确性与有效性。

关键词 BP神经网络 电信计划 预测

分类号

Application research of BP neural network in telecom planning prediction

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Abstract

How to meet the services and markets demands, while reduce the investments? It is an important question that every telecom company must be faced. Based on neural network, the telecom planning prediction can consider many influential factors, such as the consumption of products, the quality of services, the quantity of customers, the performance of equipment, incomes, investments and so on. Combined with the practical telecom planning prediction, the model of planning prediction neural network design is constructed in the paper. For the verification and analysis of the prediction model's effectiveness and feasibilities, a case study is implemented in the paper.

Key words BP network telecom planning prediction

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