



Using artificial neural networks to assess information security risks

Reza Ahmadi¹, Syed Ahmed Hamdan Shybt², movahed³

1Department of Management , Electronic Branch, Islamic Azad University, Tehran, Iran

2Science and Research Branch, Islamic Azad University, Tehran, Iran

2Science and Research Branch, Islamic Azad University, Tehran, Iran

Original Article:

Received 10 March, 2016 Accepted 10 April, 2016 Published 30 May, 2016

ABSTRACT

is (Rahman and Saba, 2014) as one of the sensitive issues of information security risk management in organizations has become the information age. The new era of information technology and information systems, our environment has become a challenging environment. In this context, we see every day, and then with the arrival of new technologies and the new challenges we buckle. IT information systems have taken root in all sectors of human life and human relationships, however, can help to facilitate life, but like any other emerging technology itself, but also bring risks. For example, an organization to increase its effectiveness and efficiency in communications, telecommunications networks and the Internet is, should the risk of unauthorized access to corporate information or competitors accepted or manage it. Today, organizations and systems in an environment full of challenges and changes they are so necessary for the survival and continued existence in such an environment, keeping up with correct and timely environmental changes and respond to them. True accountability requires making the right decisions, which by all-round managers and pavement managers and decision require any application.

Keyword:

Neural networks,
artificial, risk
assessment,
information security,
algorithm

* Corresponding author: Ahmadi