

Artificial Neural Networks in Environmental Psychology: Application in Architectural Projects

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Abstract : Artificial neural networks are used for many applications as they are able to learn complex nonlinear relationships between input and output data. As the number of neurons and layers in a neural network increases, it is possible to represent more complex behaviors. The present study proposes that artificial neural networks are a valuable tool for architecture and engineering professionals concerned with understanding how buildings influence human and social well-being based on theories of environmental psychology.

Keywords : environmental psychology, architecture, neural networks, human and social well-being

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