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connected multilayer feed-forward neural network trained with the help of back-propagation algorithm. For dimensionality reduction, Principal Component Analysis (PCA) is used. Applications of Neural Networks - Tutorialspoint We can find the applications of neural networks from image processing and classification to even generation of images. Image

and video labeling are also the applications of neural networks. Now-a-days artificial neural networks are also widely used in biometrics like face recognition or signature verification. Application of Neural Network | Top 3 Application of ...Artificial Neural Networks are used in Oncology to train algorithms that can identify cancerous tissue at the

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Their Applications Neural networks can be used to recognize handwritten characters. Image Compression - Neural networks can receive and process vast amounts of information at once, making them useful in image compression. With the Internet explosion and more sites using more images on their sites, using neural networks for image compression is worth a

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scientist explains
 First, all the input images must be preprocessed. Then, the dimensionality of that image must be reduced. And, at last it must be classified using neural network training algorithm. Following neural networks are used for training purposes with preprocessed image – Fully-connected multilayer feed-forward neural network trained with the help of

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 Applications
 can be
 grouped in
 following
 categories: 95
 • Function
 approximation
 : The tasks of
 function
 approximation
 is to find an
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 the unknown
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 subject to
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 Deep Neural
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 group of
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Image

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With the Internet

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Neural

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Language Processing 1.

Text

Classification and

Categorization

2. Named Entity Recognition (NER) 3. Part-of-Speech Tagging 4. Semantic Parsing and Question Answering 5. Paraphrase Detection 6. Language Generation and Multi-document ...

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Engineering is where neural network applications are essential, particularly in the “high assurance systems that have emerged in various fields, including flight control, chemical engineering, power plants, automotive control, medical systems, and

other systems that require autonomy.”

(Source:

Application of Neural

Networks in High

Assurance

Systems: A

Survey.)

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many

applications of

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networks. One

common

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smartphone

camera's

ability to

recognize

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are equipped

with multiple

cameras which try to recognize... <i>Neural Networks - Applications</i> Introduction to Neural Networks, Advantages and Applications Artificial Neural Network(ANN)	uses the processing of the brain as a basis to develop algorithms that can be used to model complex patterns and prediction problems. The MarketWatch News	Department was not involved in the creation of this content. Dec 17, 2020 (AmericaNews Hour) -- As per the Eurostat, the total value of the ICT sector in Europe, including the ...
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