

# Artificial Neural Networks/Feature Detection

Feature detection or “association” networks are trained using non-noisy data, in order to recognize similar patterns in noisy or incomplete data. Correctly detecting features in the presence of noise can be used as an important tool for noise reduction and filtering.

For example, neural nets have been used successfully in a number of medical applications for detection of disease. One particular example is the use of ANN to detect breast cancer in mammography images.

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