Acoustic detection and classification using deep neural networks

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The Effects of Noise on Aquatic Life, Den Haag, 7-12 July 2019
Can we teach Deep Neural Networks to recognize sounds made by marine animals?
https://patternradio.withgoogle.com/

The Effects of Noise on Aquatic Life, Den Haag, 7-12 July 2019
Promises and challenges

Machine Learning

Input ➔ Feature extraction ➔ Classification ➔ Output

Deep Learning

Input ➔ Feature extraction • Classification ➔ Output

The Effects of Noise on Aquatic Life, Den Haag, 7-12 July 2019
Applications of machine learning to the detection and classification of underwater acoustic signals.

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