

Other Types of Machine Learning Algorithms



Xavier Morera

Helping developers understand and work with data

@xmorera www.xavermorera.com / www.bigdatainc.org



Transfer Learning

Special case of neural networks where the weights from one base model are used to train another network for a different purpose





Sound Classification

Train models using sound as input, being capable of classifying voice commands, translating complete sentences, or detecting species by sound

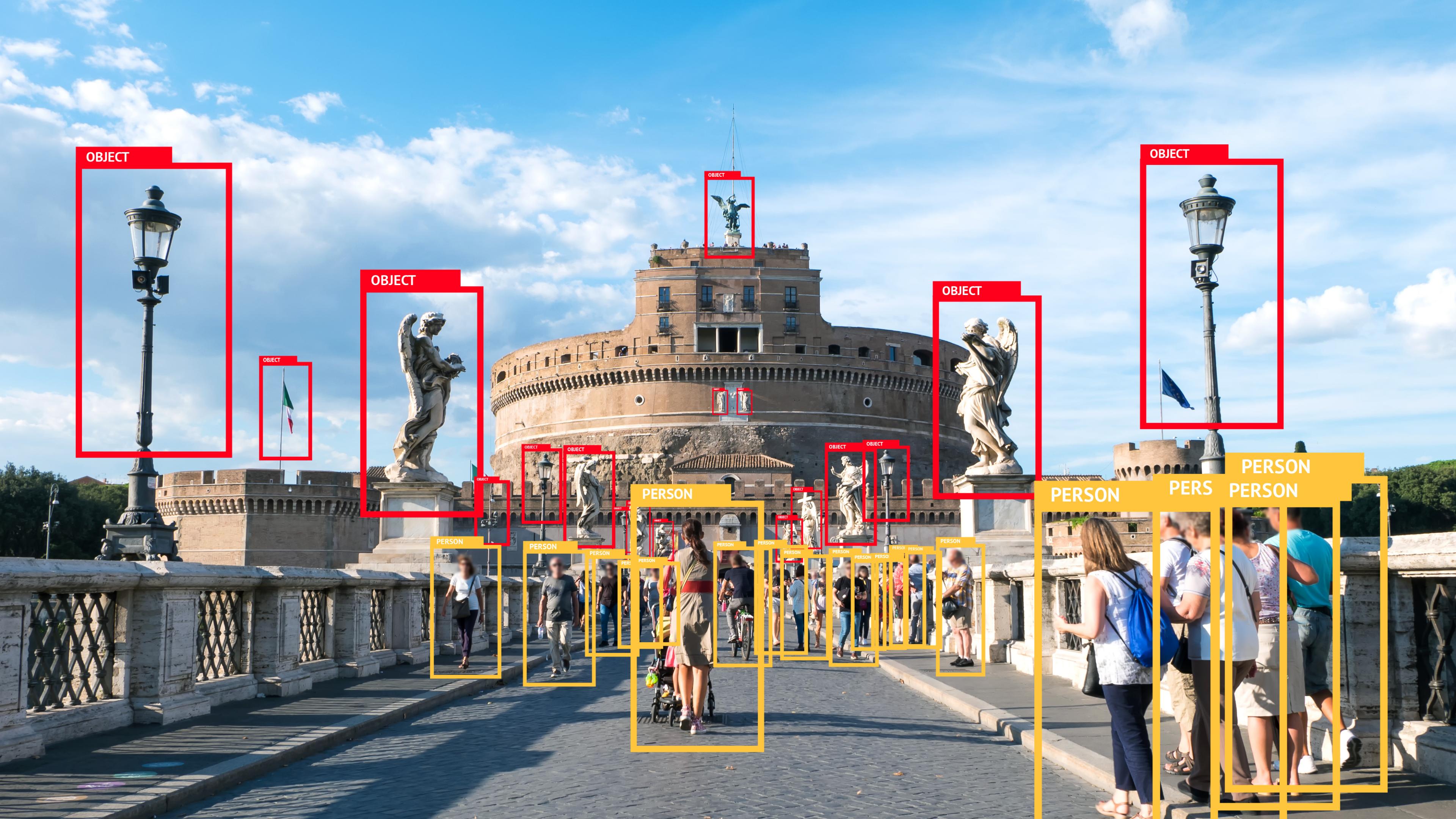




Object Detection

Classifies an image into specific classes or labels, specifying the exact position where objects are located inside the picture





Time Series Analysis

Regression and / or classification problem type in which seasonality or periodicity must be added, that is, it can behave in repetitive or specific ways in certain time intervals





Natural Language Processing

Allows machines to understand and communicate using human like languages (written, spoken, visual...)

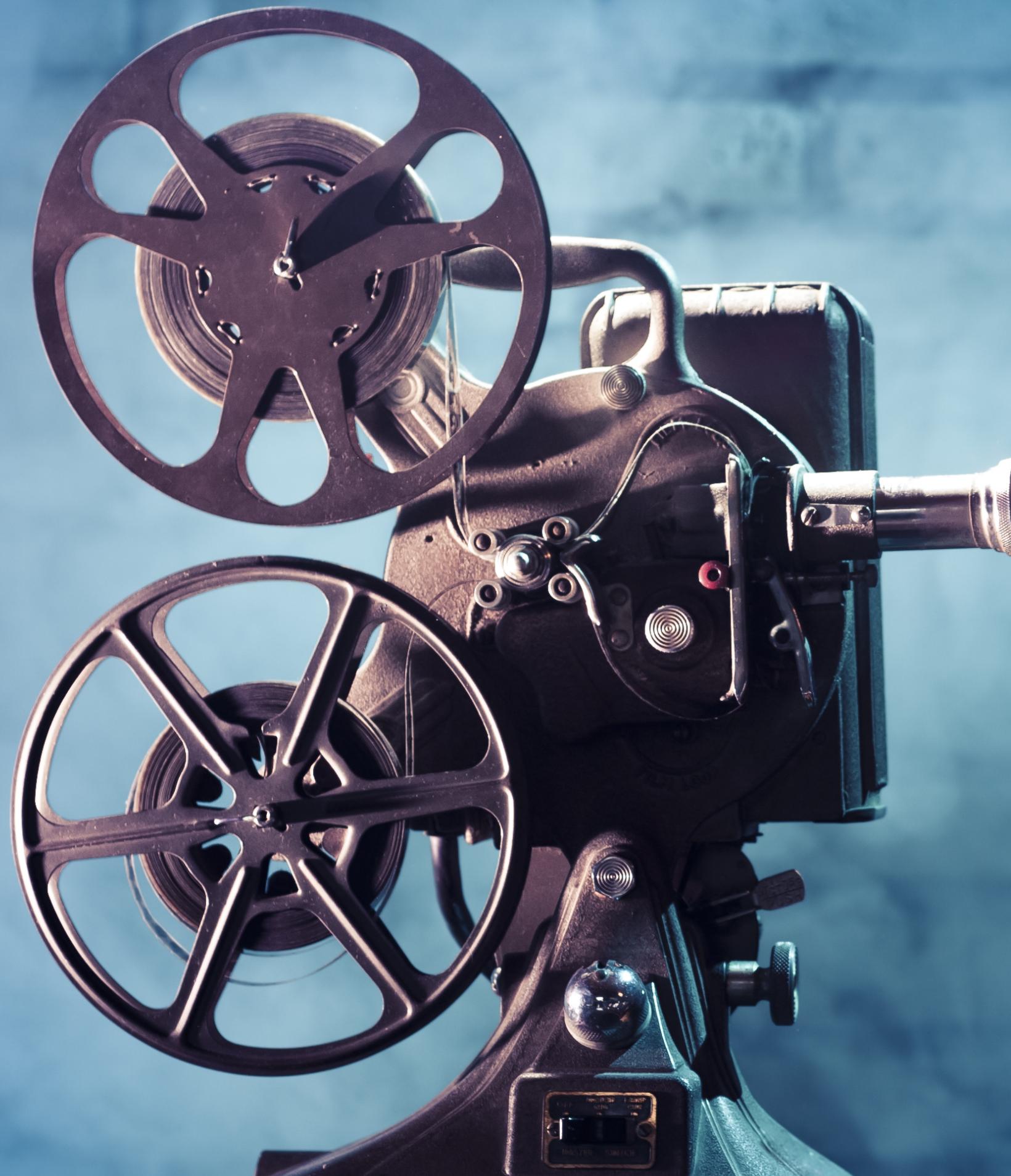




Video Classification

Produces a label that is relevant to a video, with the ability to classify tasks, sports, and other potential scenarios





Generative AI

Creates new content by using existing content, for example text, audio, files, or images





Reinforcement Learning

An agent interacts with an environment and reacts given a determined interaction



Self-Driving

48
mph

Self-Driving
Mode



What you learn, is yours for life

