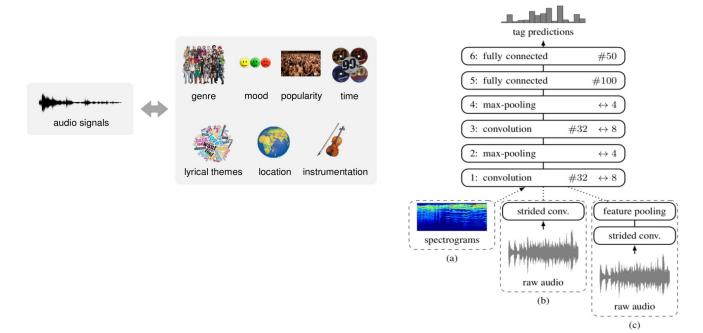
Music information retrieval using deep learning

In this project we will use deep neural network to extract useful semantic representations of music segments. These learned features will then be used to classify music by genre, mood, instruments and more.

It might even allow us to generate music of our own;)



Music information retrieval (MIR) is the

interdisciplinary science of retrieving information from music. MIR is a small but growing field of research with many real-world applications.

Deep learning is a set of brain-inspired algorithms that involves deep multi-layered neural networks. These neural networks are trained to find a set of features that represent the fed data, thus allowing machine learning and computer-vision usages such as classification and detection. This approach is currently the state-of-the-art in the field of computer-vision, voice recognition and NLP, and used by Google, Microsoft, Yahoo and more.

Prerequisites:

- Machine learning course
- Good Programming skills and experience
- Basic signal processing

For more details:

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