

Automatic Music Genres Classification Using Machine Learning

[IEEE ... Workshop on Multimedia Signal Processing](#) 2004

Proceedings of the ... Annual International ACM SIGIR Conference on Research and Development in Information Retrieval 2005

Proceedings of ... ACM/IEEE-CS Joint Conference on Digital Libraries 2005

Intelligent Human Centered Computing Siddhartha Bhattacharyya 2023-06-14 This book features high-quality research papers presented at the First Doctoral Symposium on Human Centered Computing (HUMAN 2023), jointly organized by Computer Society of India, Kolkata Chapter and Techno India University, West Bengal, on February 25, 2023. This book discusses the topics of modern human centered computing and its applications. The book showcases the fusion of human sciences (social and cognitive) with computer science (human-computer interaction, signal processing, machine learning, and ubiquitous computing).

[Proceedings of International Conference on Computational Intelligence and Data Engineering](#) Nabendu Chaki 2025-10-22 This book is a collection of high-quality research work on cutting-edge technologies and the most-happening areas of computational intelligence and data engineering. It includes selected papers from the International Conference on Computational Intelligence and Data Engineering (ICCIDE 2024). It covers various topics, including collective intelligence, intelligent transportation systems, fuzzy systems, Bayesian networks, ant colony optimization, data privacy and security, data mining, data warehousing, big data analytics, cloud computing, natural language processing, swarm intelligence, and speech processing.

[KDD ...](#) 2006

[Disiplinlerarası Müzik Araştırmaları Dergisi](#) 2007

[Handbook of Research on Digital Libraries](#) Yin-Leng Theng 2009 "This book is an in-depth collection aimed at developers and scholars of research articles from the expanding field of digital libraries"--Provided by publisher.

IEEE ASSP Workshop on Applications of Signal Processing to Audio and Acoustics 2003

ISMIR 2002 Conference Proceedings Michael Fingerhut 2002

[Neural Network Music Genre Classification](#) Nikki Pelchat 2021 Music recommendation systems have become popular in recent years with the increasing variety of music content being produced as well as the sheer size of digital music collections which are available at the touch of a finger. Large collections of digital music are commonly organized using genre labels. In addition, music genres are regularly used by recommendation systems to suggest new music to the listeners. The chore of classifying a large amount of music manually can be difficult and time consuming. It is for these reasons, the automatic classification of music by genre is a crucial task. The ability to automatically classify music by genre using machine learning can be quicker and arguably more accurate than doing it manually. Using neural networks for generic classification tasks is a well researched area within machine learning. In recent years, the classification of music by genre has become part of the same problem domain. Differences in song libraries, machine learning techniques, input formats, and types of neural networks implemented have all had varying levels of success. This thesis implements a convolutional neural network that classifies music by genre through the examination of spectrogram images. It concentrates on three specific types of spectrogram inputs (Linear, Logarithmic, and Mel scaled spectrograms) as well as several input variables and neural network learning techniques to determine the effect that they have on the overall accuracy of the genre classification network. This thesis demonstrates these convolutional neural network techniques for music genre classification and assesses their viability and accuracy.

Proceedings of 5th International Conference on Artificial Intelligence and Smart Energy S.

Manoharan 2025-05-22 This book discusses the latest developments in computing techniques that power smart energy and sustainable solutions. Over the last few years, artificial intelligence (AI) has been more deeply embedded in our lives, revolutionizing industries and communication. Intelligent computing models

are now transforming traditional energy applications in this digital age through smart automation, optimization, and adaptation. The book addresses major facets of intelligent computing and communication technologies, such as intelligent data analysis, predictive modeling, optimization, neural networks, AI, machine learning, deep learning, and the Internet of Things (IoT). All these technologies are discussed in practical applications, e.g., smart cities and smart industries, their transformative possibilities.

Proceedings of Second International Conference on Computing, Communications, and Cyber-Security Pradeep Kumar Singh 2021-05-24 This book features selected research papers presented at the Second International Conference on Computing, Communications, and Cyber-Security (IC4S 2020), organized in Krishna Engineering College (KEC), Ghaziabad, India, along with Academic Associates; Southern Federal University, Russia; IAC Educational, India; and ITS Mohan Nagar, Ghaziabad, India during 3-4 October 2020. It includes innovative work from researchers, leading innovators, and professionals in the area of communication and network technologies, advanced computing technologies, data analytics and intelligent learning, the latest electrical and electronics trends, and security and privacy issues.

[Database Systems for Advanced Applications](#) 2005

Proceedings of the Fifth International Conference on Emerging Trends in Mathematical Sciences & Computing (IEMSC-24) Biswadip Basu Mallik 2024-10-31 The Proceedings of the Fifth International Conference on Emerging Trends in Mathematical Sciences & Computing (IEMSC-24) contains papers that present the current scientific as well as technological innovations by leading academicians, eminent researchers, and experts throughout the globe in the twin domain of Mathematical Sciences as well as Computing. The papers focus on the recent advances in the field of Theoretical Computer Science as well as its blending with Mathematical techniques. The book aims to disseminate new technical ideas and features that can be incorporated in day-to-day life for the benefit of the society. The research papers exhibit scientific advancements in diversified spectrum that includes Differential as well as Integral Equations with applications, Computational Fluid Dynamics, Nanofluids, Network Theory & Optimization, Control Theory, Machine Learning & Artificial Intelligence, Big Data Analytics, IoT, Cryptography, Fuzzy Automata, Statistics, and many more. The proceedings primarily focus on the amalgamation of mathematical methods with computing. The potential readers will get access to diverse ideas and innovations in the field of computing together with its growing interactions in various fields of mathematics. This book serves as a valuable reference resource for researchers in academia and industry.

Computer Music Modeling and Retrieval 2004

[Advances in Visual Informatics](#) Halimah Badioze Zaman 2023-10-19 This book constitutes the refereed proceedings of the 8th International Conference on Advances in Visual Informatics, IVIC 2023, held in Selangor, Malaysia in November 2023. The 51 full papers presented were carefully reviewed and selected from 101 submissions. The conference focused on 6 tracks: Modeling and Simulation, Mixed Reality and HCI, Systems Integration and IoT, Cybersecurity, Energy Informatics and Intelligent Data Analytics.

[Proceedings of the ... International Computer Music Conference](#) 2005

[IJCAI](#) 2007

[VLSI, Communication and Signal Processing](#) R. K. Nagaria 2023-07-01 This book covers a variety of topics in Electronics and Communication Engineering, especially in the area of microelectronics and VLSI design, communication systems and networks, and signal and image processing. The content is based on papers presented at the 5th International Conference on VLSI, Communication and Signal Processing (VCAS 2022). The book also discusses the emerging applications of novel tools and techniques in image, video, and multimedia signal processing. This book is useful to students, researchers, and professionals working in the electronics and communication domain.

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