Patent Search

Invention Title	METHOD AND SYSTEM FOR MULTI-MODE EMOTION ANALYSIS BASED ON AI DEEP LEARNING
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Abstract:

The invention pertains to a method and system for multi-mode emotion analysis that makes use of advanced artificial intelligence deep learning techniques. A numb different data modes, such as facial expressions, voice intonation, text analysis, and physiological signals, are utilized by this system in order to evaluate and interpret emotions. The incorporation of deep learning algorithms enables a high level of accuracy in the detection and classification of emotions, which makes it suitable in a disciplines like the monitoring of mental health, the interaction between humans and computers, and the automation of customer service

Complete Specification

Description:The invention pertains to a method and system for multi-mode emotion analysis that makes use of advanced artificial intelligence deep learning techni number of different data modes, such as facial expressions, voice intonation, text analysis, and physiological signals, are utilized by this system in order to evaluate interpret human emotions. The incorporation of deep learning algorithms enables a high level of accuracy in the detection and classification of emotions, which ma suitable in a variety of disciplines like the monitoring of mental health, the interaction between humans and computers, and the automation of customer service , C

Claims:1. A method for multi-mode emotion analysis using AI deep learning, wherein the method includes the steps of collecting data from multiple input sourc preprocessing the data, extracting features, and classifying emotions based on the fused outputs from different data modes.

2. A system for multi-mode emotion analysis comprising a data acquisition module, a preprocessing module, a feature extraction module, a deep learning model, emotion fusion module, and an output module, wherein the system is configured to analyze emotions based on facial expressions, voice intonation, text analysis, a physiological signals.

3. The method of claim 1, wherein the deep learning model is trained on a multi-modal dataset to improve the accuracy and reliability of emotion classification.

4. The system of claim 2, wherein the emotion fusion module combines the outputs from different modes to provide a final, holistic emotion classification.

5. The method of claim 1, wherein the system is used for applications such as mental health monitoring, human-computer interaction, and customer service auto

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