A Comparative Analysis of Gender Classification Using Neural Networks

**ABSTRACT:**

Over the period of time, the automatic classification of gender has gained immense significance and has become an active field of research. Many researchers have put a lot of effort and produced quality research in this area. Nevertheless, in many cases like this one, there is immense potential because of its usefulness observation, surveillance, commercial profiling and human-computer interaction. Security applications have most importance in this area. Gender classification can be used as part of a face recognition process to detect gender. This paper presents a comprehensive comparison of sophisticated research techniques. We've divided into seven stages classification process and a detailed review of the existing literature have presented. They were presented with the analysis of their strengths and weaknesses. We have also discussed standard data sets that can help the novel researcher a comprehensive review. Considering the limitations of the literature is presented in the future.

**Key words:**

* Gender Classification
* Features Extraction
* Pattern Recognition
* Comprehensive review
* Processing