Gender Classification from Iris using Machine Learning Techniques.

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Iris is one of the most discriminating features possessed by Human Beings. It is currently one of the most accurate, reliable and widely used Biometric identification traits. Iris is enriched with distinctive Textural Features. Feature based matching surpasses non-feature based matching in computation and accuracy. Gender Classification is important in two aspects. Firstly, determining the gender of an imposter is helpful in crime investigation. Secondly, classifying the probe iris image reduces computation and boosts performance. Most of the current gender classification systems work by analyzing face images. But, very few research papers and journals have explored usability of iris. To mention: Lagree et al. [2] used ----with accuracy------, 2, 3,4. Keeping previous work as reference we intend to come up with a better optimum Gender classification algorithm. Our steps would be as follows: After successfully implementing iris segmentation, we will extract a rich textural feature vector and try it with different machine learning techniques to achieve maximum accuracy. After successful implementation, we will try to apply the same for ethnicity classification.