**53.Skin Segmentation**

1. 数据库网址

https://archive.ics.uci.edu/ml/datasets/Skin+Segmentation

2. 数据库描述

【1.[数据集名称]数据集由[机构名或人名]采集；】The data used in our experiments were collected by Rajen Bhatt, Abhinav Dhall.【2.用于[什么实验目的]】We used to classify the skin of Color FERET Image.【3】The skin dataset is collected by randomly sampling B,G,R values from face images of various age groups (young, middle, and old), race groups (white, black, and asian), and genders obtained from FERET database and PAL database. Total learning sample size is 245057; out of which 50859 is the skin samples and 194198 is non-skin samples. This dataset is of the dimension 245057 \* 4 where first three columns are B,G,R (x1,x2, and x3 features) values and fourth column is of the class labels (decision variable y).【4】The database has 245057 samples, respectively belong to training with 240000 samples and testing with 5057 samples. The categories of system include 4 categories, as shown in Table 1.

Table 1 Category Distribution of Network System [根据数据库绘制]

|  |  |  |  |
| --- | --- | --- | --- |
| Invasion Categories | Training | Testing | Total Number of Samples |
| Skin | 49809 | 1050 | 50859 |
| Non-skin | 190191 | 4007 | 194198 |
| Total number of samples in total | 240000 | 5057 | 245057 |