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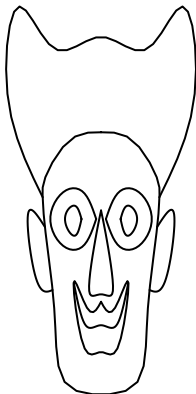
> Iris_Dataset <-
read.csv(file="C:\\Users\\Ashesh\\Desktop\\iris.data.csv", head=TRUE, sep=", ")
> Iris_Dataset[1:6,]
  Species sepal.length sepal.width petal.length petal.width
1 Iris-setosa      5.1         3.5         1.4         0.2
2 Iris-setosa      4.9         3.0         1.4         0.2
3 Iris-setosa      4.7         3.2         1.3         0.2
4 Iris-setosa      4.6         3.1         1.5         0.2
5 Iris-setosa      5.0         3.6         1.4         0.2
6 Iris-setosa      5.4         3.9         1.7         0.4
> library(aplpack)
Loading required package: tcltk

> pdf(file = "C:\\Users\\Ashesh\\Desktop\\chernoff_face_combined.pdf")
>
faces(Iris_Dataset[,2:5], face.type=0, scale=TRUE, print.info=TRUE, nrow.plot=5, ncol.
.plot=4)
effect of variables:
modified item      Var
"height of face   " "sepal.length"
"width of face    " "sepal.width"
"structure of face" "petal.length"
"height of mouth  " "petal.width"
"width of mouth   " "sepal.length"
"smiling          " "sepal.width"
"height of eyes   " "petal.length"
"width of eyes    " "petal.width"
"height of hair   " "sepal.length"
"width of hair    " "sepal.width"
"style of hair    " "petal.length"
"height of nose   " "petal.width"
"width of nose    " "sepal.length"
"width of ear     " "sepal.width"
"height of ear    " "petal.length"
> dev.off()
null device
      1

> pdf(file = "C:\\Users\\Ashesh\\Desktop\\chernoff_face_individual.pdf")
>
faces(Iris_Dataset[,2:5], face.type=0, scale=TRUE, byrow=TRUE, print.info=TRUE, ncol.
plot=4)
effect of variables:
modified item      Var
"height of face   " "1"
"width of face    " "2"
"structure of face" "3"
"height of mouth  " "4"
"width of mouth   " "5"
"smiling          " "6"
"height of eyes   " "7"
"width of eyes    " "8"
"height of hair   " "9"
"width of hair    " "10"
"style of hair    " "11"
"height of nose   " "12"
"width of nose    " "13"
"width of ear     " "14"
"height of ear    " "15"
> dev.off()
null device
      1

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**sepal.length**



**sepal.width**



**petal.length**



**petal.width**



A simple line drawing of a smiling face. The face is circular with a wide, curved mouth and two small, dark eyes. It is wearing a headband or a simple crown-like structure on top of its head. The drawing is minimalist, using only black outlines on a white background.

A simple line drawing of a smiling face. The face is circular with a wide, open-mouthed smile. It has two small, dark eyes and a small, triangular nose. A headband or hairband is drawn across the top of the head, with two long, thin strands of hair hanging down on either side of the face.

A simple line drawing of a smiling face. The face is oval-shaped with a wide, curved smile. It has two small, dark eyes and a small, triangular nose. A headband or hairband is drawn across the top of the head, with two long, pointed ends extending downwards on either side of the face.

A simple line drawing of a smiling face. The face is oval-shaped with a wide, curved smile. It has two small, dark eyes and a small, triangular nose. A headband or hairband is drawn across the top of the head, with two long, thin strands of hair hanging down on either side of the face.

A simple line drawing of a smiling face. The face is circular with a wide, open-mouthed smile. It has two small, dark eyes and a small, triangular nose. A headband or hairband is drawn across the top of the head, with two long, thin strands of hair hanging down on either side of the face.

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