جامعة حلوان
Helwan University
Faculty of Computers and Information

Assignement

Department of Computer Science
Pattern Recognition

Simulation

- Generate two large datasets from two bivariate normals with identity covariance matrix and mean vectors $\mu_1 = (0, 0)'$ and $\mu_2 = (1, 1)'$; each dataset has 1000 observations.
- Plot a 3D plot for the pdf of each.
- Plot the LLR as a function of the feature vector X.
- Plot the histogram of $h\left(x|\mathcal{G}_i\right), i = 1, 2$.