

AIL 7024

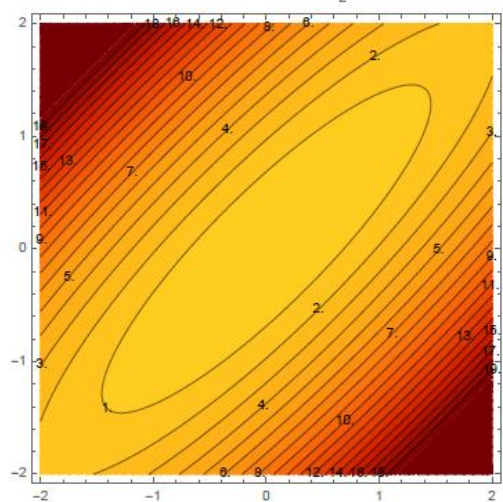
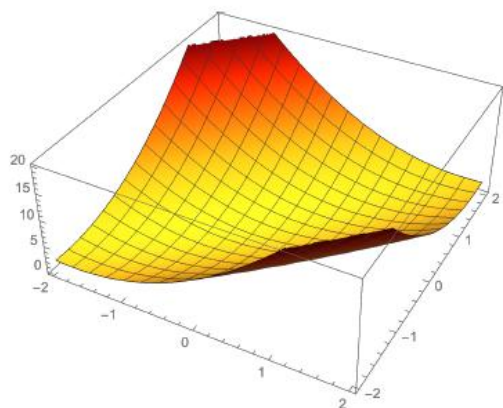
Machine Learning

Sem 1, 2026-27

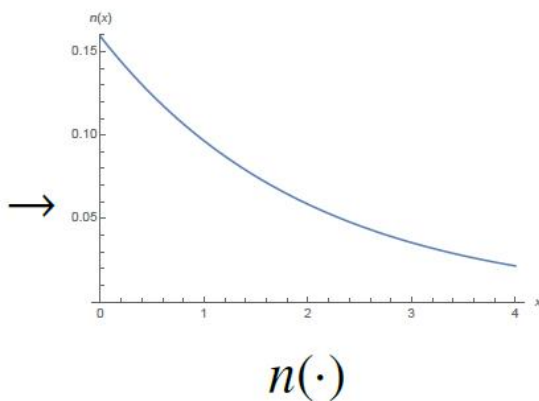
GDA with Anisotropic Gaussians

Raunak P. Bhattacharyya, ScAI

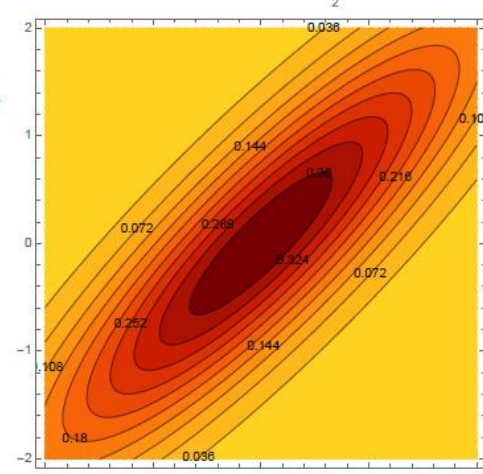
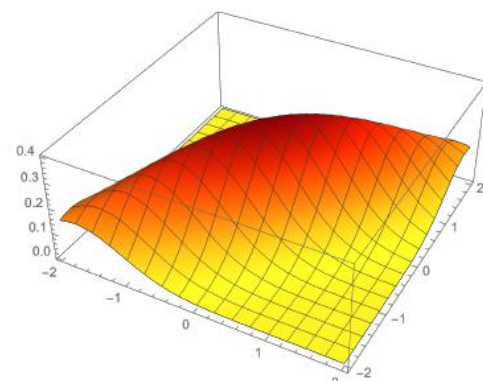
Multivariate Gaussian: Contours



$q(x)$

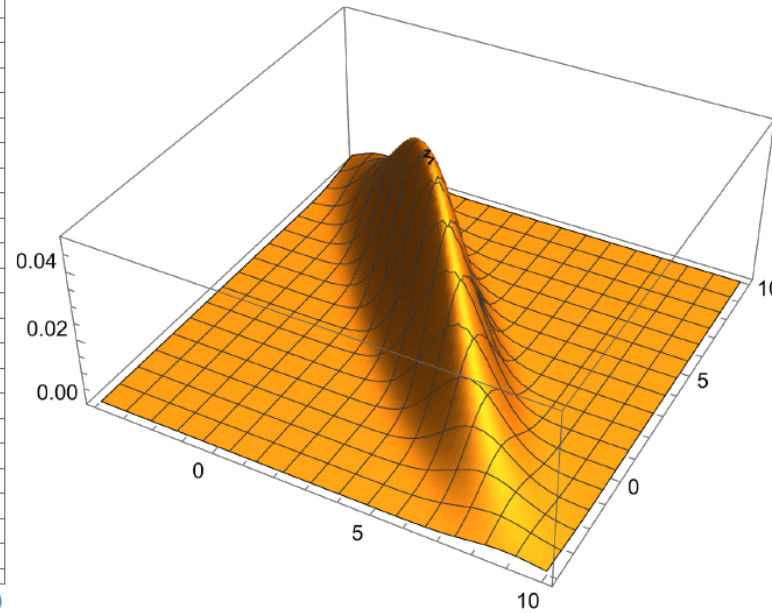
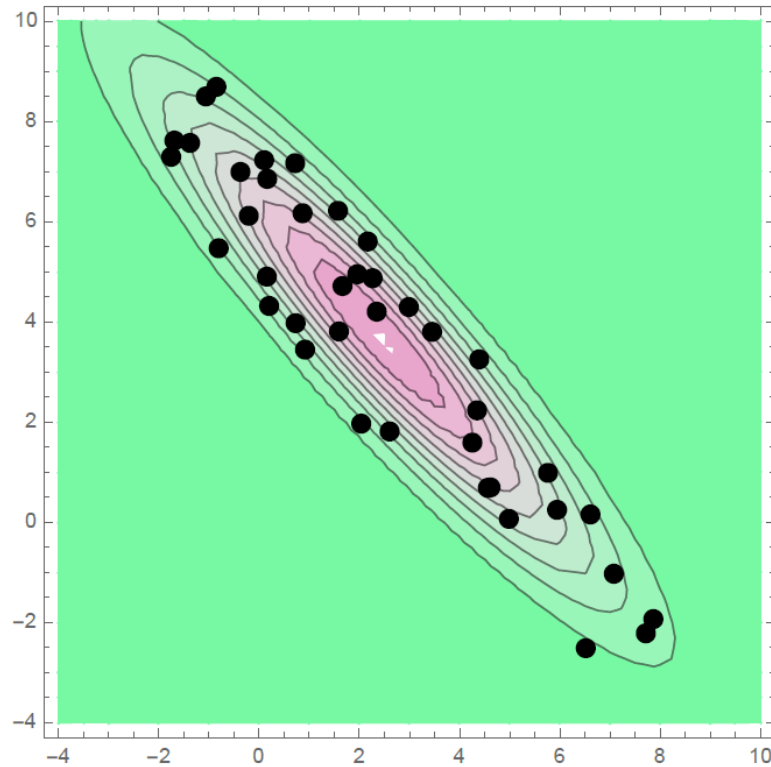


$n(\cdot)$

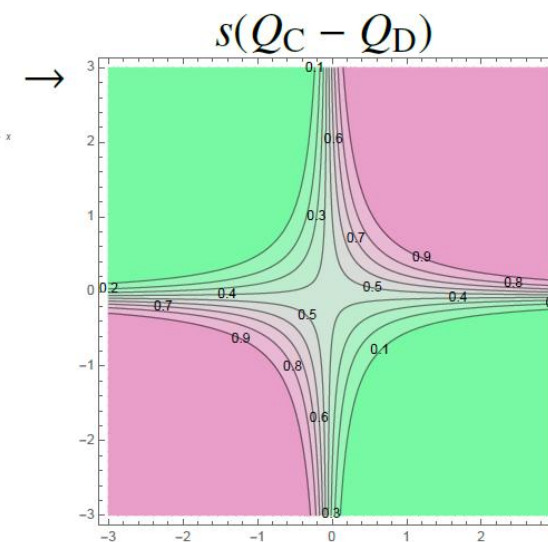
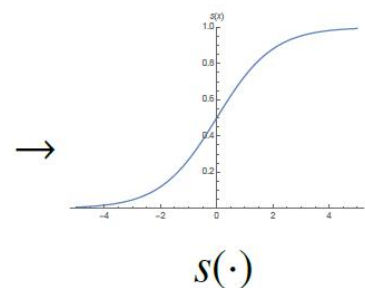
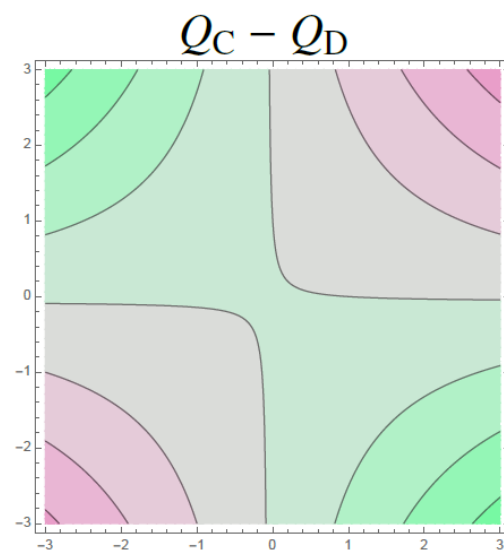
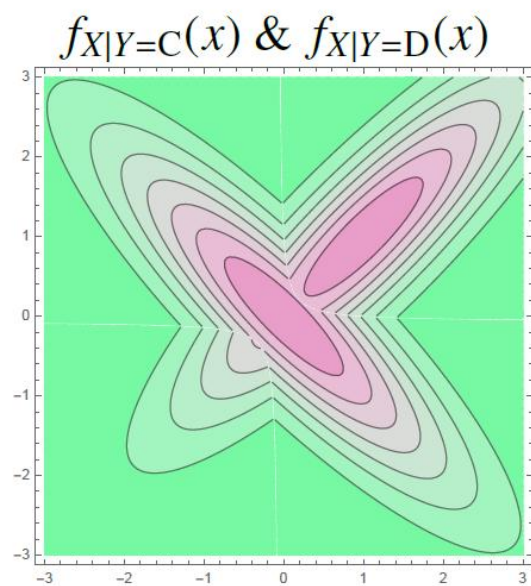
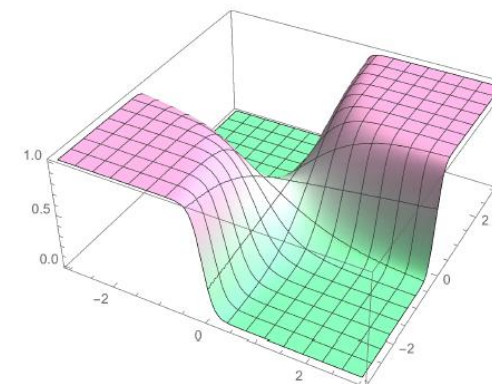
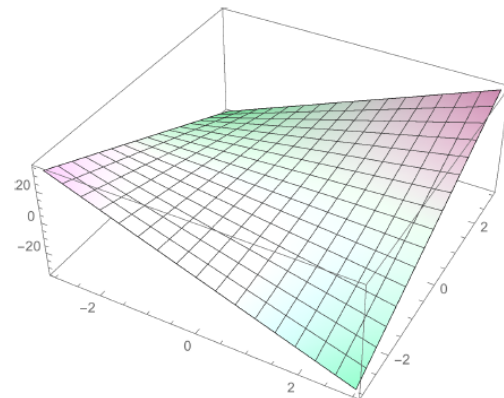
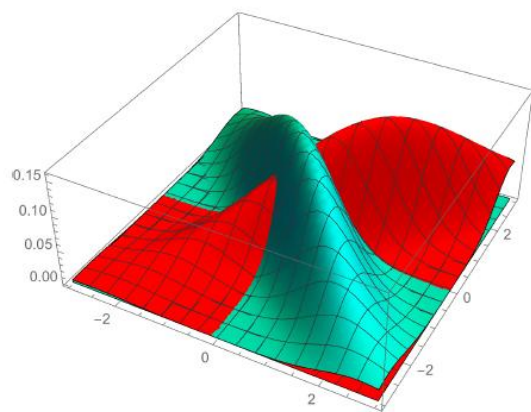


$f(x) = n(q(x))$

Multivariate Gaussian: MLE



QDA: General i.e. anisotropic Gaussian



LDA: General i.e. anisotropic Gaussian

