Contour Plot

Normal

lb=[-10,0.3]

ub=[10,3]

step=[0.1,0.05]

Mu0 = 0

Mu1= [0.3]

Var = [1 1]

Ratio = [9 1]

Max\_mu = -3.3

Max\_lamba = 0.3

Mixture

lb=[-10,0.3]

ub=[10,3]

step=[0.1,0.05]

Mu0= [0 0] Mu1 = [0 7]

Var = [1 1]

Ratio = [9 1]

Max\_mu = 6.8

Max\_lamba = 2.5

Power Plot

Muchange normal

Mu bound [-5 5]

Lambda bound [0.3 inf]

Train bw 0.5, test bw 0.4

Mu0 = 0

Mu1= [0.05:0.05 0.75]

Var = 1

Muchange mixture normal var 1 1

Mu bound [-5 5]

Lambda bound [0.3 inf]

Train bw 0.5, test bw 0.4

Mu0= [0 0] Mu1 = [0 1:8]

Var = [1 1]

Ratio = [9 1]

Muchange mixture normal var 1 0.1

Mu bound [-5 5]

Lambda bound [0.3 inf]

Train bw 0.5, test bw 0.4

Mu0= [0 0] Mu1 = [0 1:8]

Var = [1 0.1]

Ratio = [9 1]

ROC plot

Normal

Mu bound [-5 5]

Lambda bound [0.3 inf]

Train bw 0.5, test bw 0.4

Mu0 = 0

Mu1 = 0.3

Var = 1

Mixture normal var 1 1

Mu bound [-5 5]

Lambda bound [0.3 inf]

Train bw 0.5, test bw 0.4

Mu0= [0 0] Mu1 = [0 6]

Var = [1 1]

Ratio = [9 1]

Mixture normal var 1 0.1

Mu bound [-5 5]

Lambda bound [0.3 inf]

Train bw 0.5, test bw 0.4

Mu0= [0 0] Mu1 = [0 3]

Var = [1 0.1]

Ratio = [9 1]