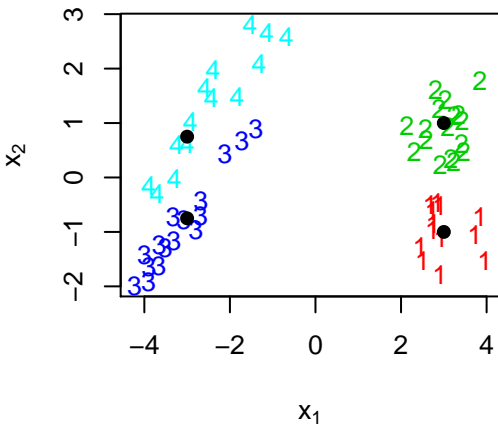
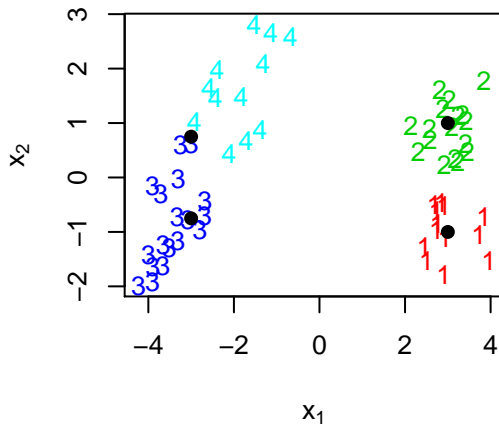


Original data

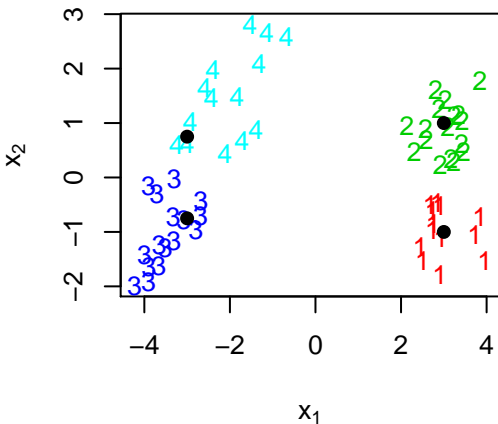


MCLUST clustering



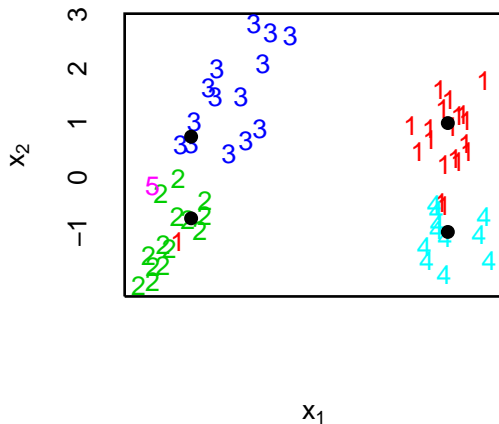
of clusters = 4, assumed known

K-Means clustering



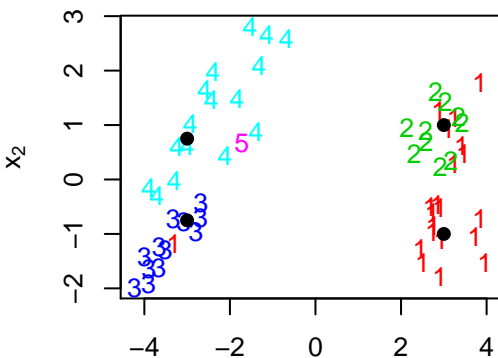
of clusters = 4, assumed known

EMCC (MAP) clustering (temper = 0.5)



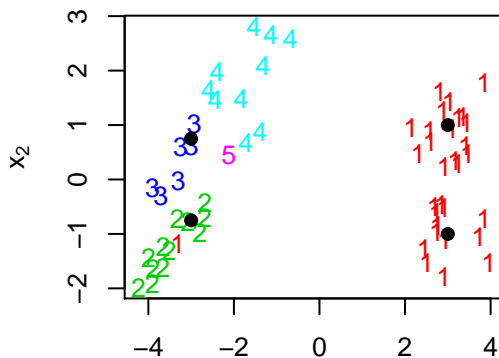
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 0.541)



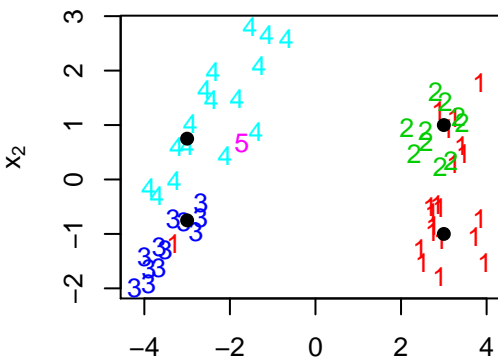
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 0.634)



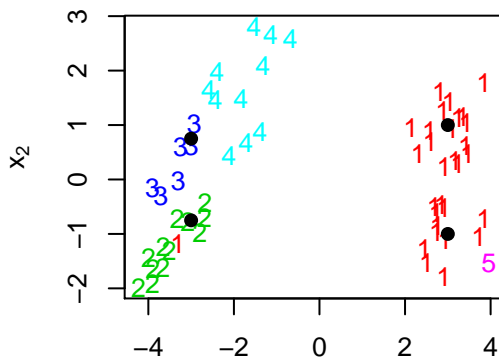
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 0.586)



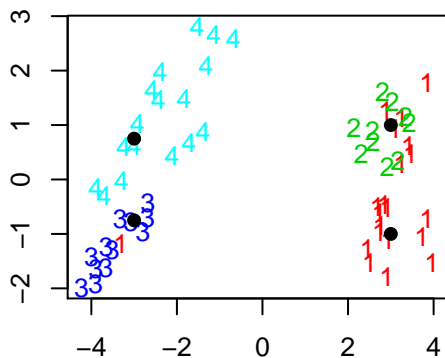
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 0.687)



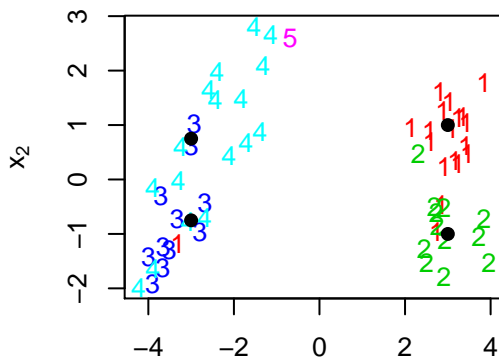
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 0.744)



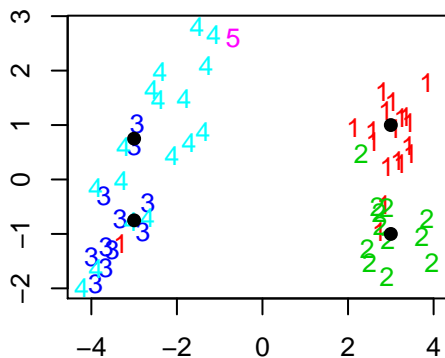
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 0.872)



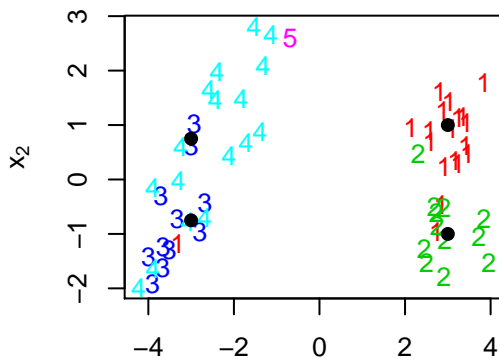
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 0.805)



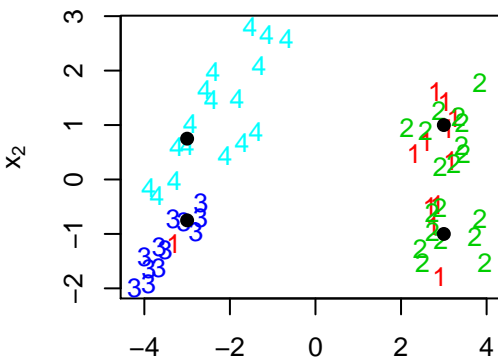
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 0.944)



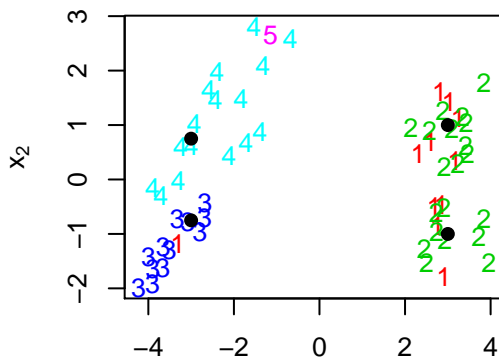
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.022)



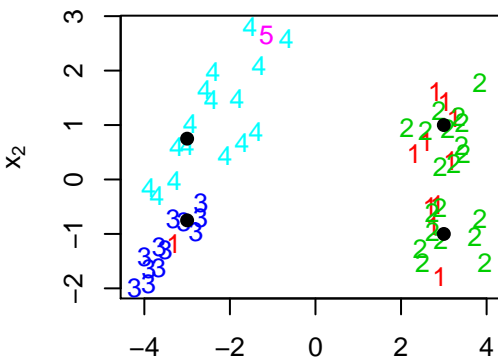
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.198)



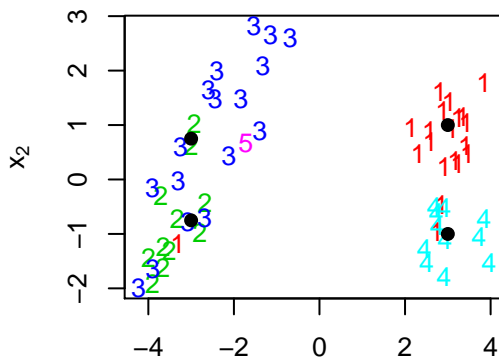
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.106)



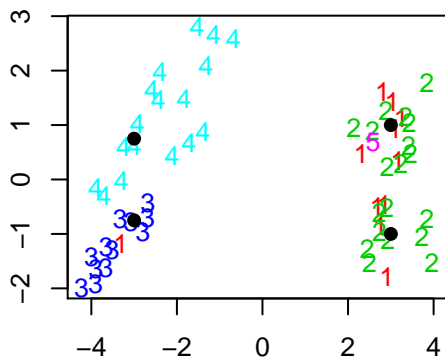
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.296)



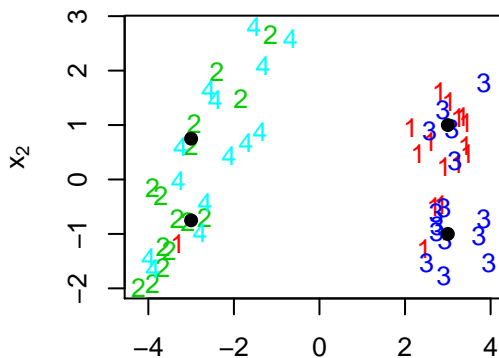
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.404)



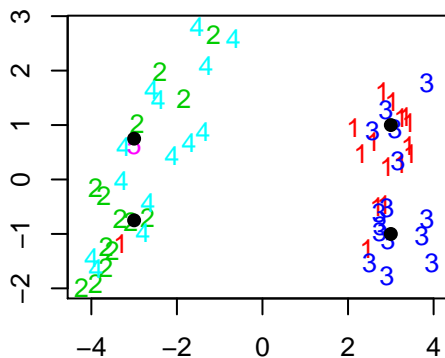
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.645)



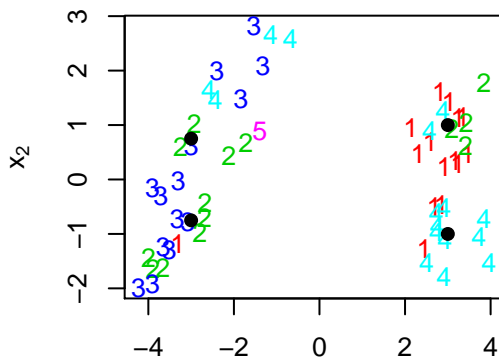
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.52)



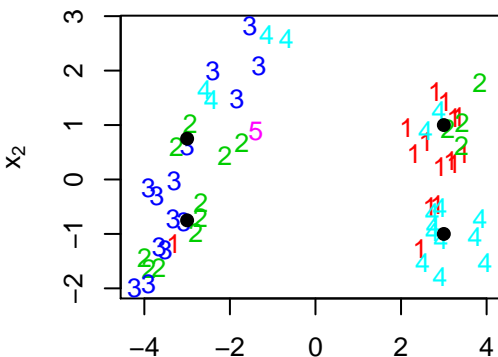
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.781)



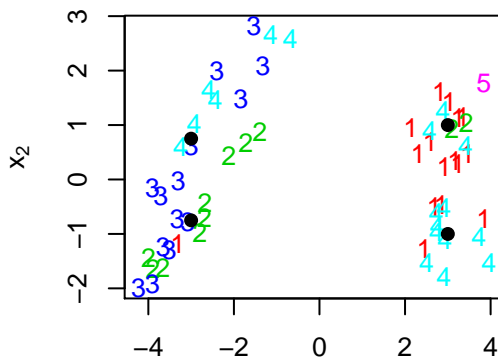
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 1.928)



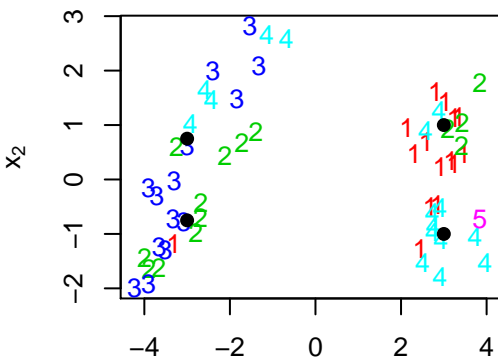
x_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 2.26)



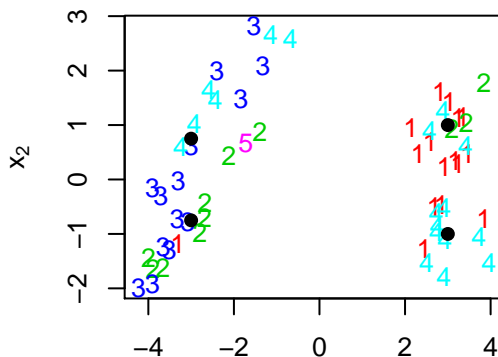
x_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 2.088)



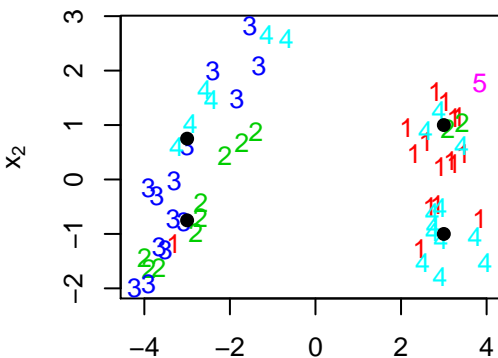
x_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 2.447)



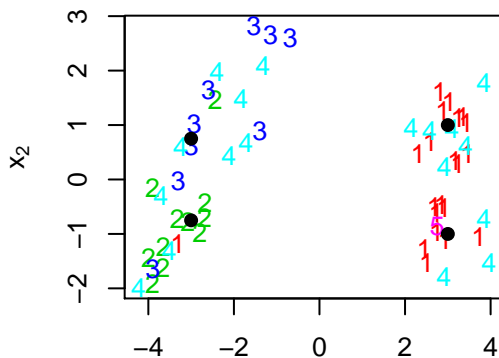
x_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 2.649)



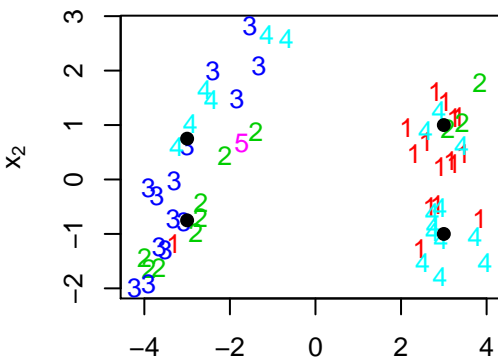
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 3.105)



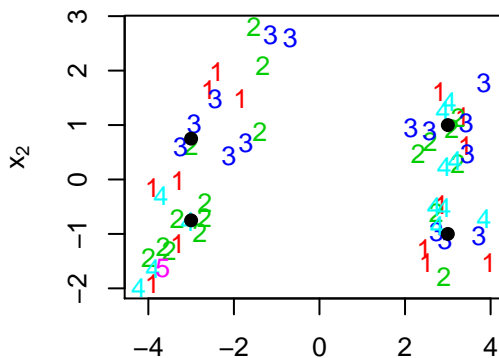
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 2.868)



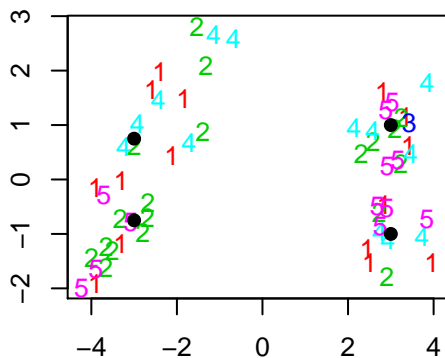
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 3.362)



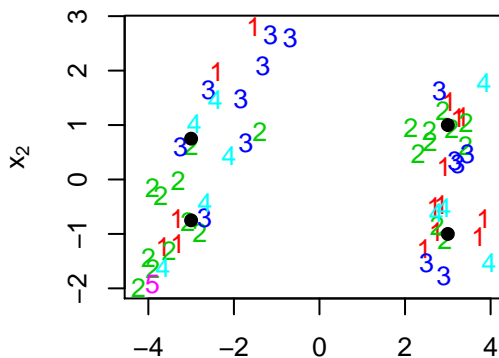
X_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 3.639)



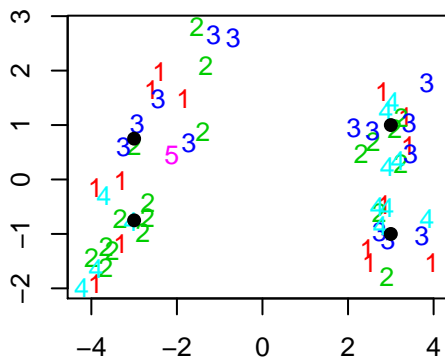
x_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 4.266)



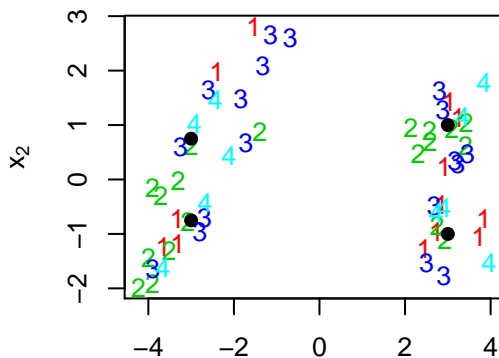
x_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 3.94)



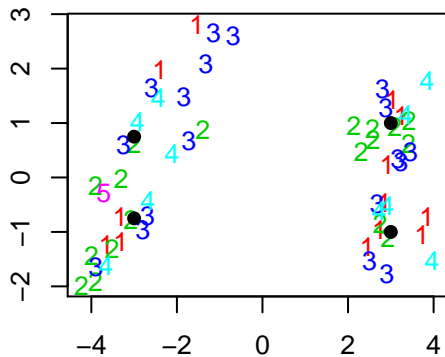
x_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 4.618)



x_1
uniform prior on # of clusters: DU[1, 5]

EMCC (MAP) clustering (temper = 5)



x_1

uniform prior on # of clusters: DU[1, 5]