

Results from exercise 7:

Obj is the optimal objective value. Rho is the bias term (in the decision function  $\text{sgn}(w^T x - \rho)$ ).

nSV are numbers of support vectors, nBSV are numbers of bounded support vectors.

Nu shows the corresponding parameter.

```
optimization finished, #iter = 112
nu = 0.017055
obj = -154.758114, rho = -0.485428
nSV = 216, nBSV = 216
*
```

```
optimization finished, #iter = 434
nu = 0.069691
obj = -640.299371, rho = 0.427472
nSV = 828, nBSV = 828
*
```

```
optimization finished, #iter = 410
nu = 0.063465
obj = -630.528067, rho = 1.728887
nSV = 806, nBSV = 806
Total nSV = 1622
```

Accuracy = 99.1103% (3119/3147) (classification)

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