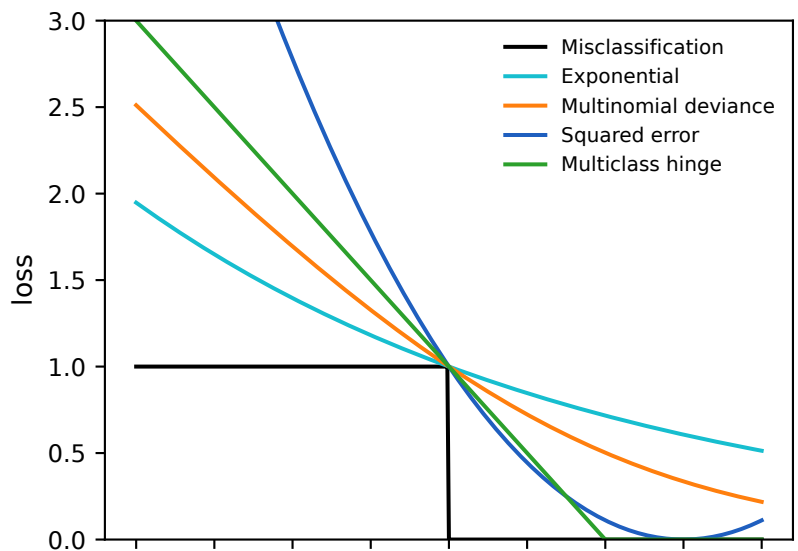
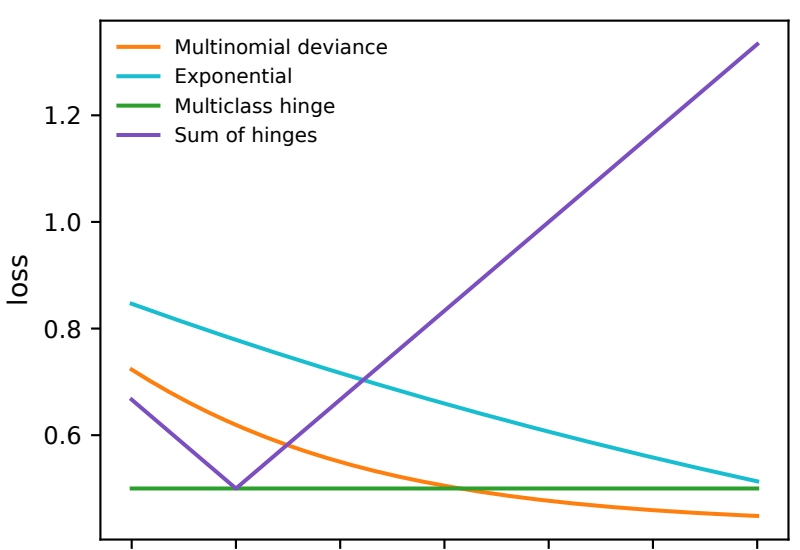

Misclassification
Exponential
Multinomial deviance
Squared error
Multiclass hinge
loss
3.0
2.5
2.0
1.5
1.0
0.5
0.0
−2.0
−1.5
−1.0
−0.5
0.0
0.5
1.0
1.5
2.0
margin $f_y - \max_{k \neq y} f_k$ (other scores equal)


Multinomial deviance
Exponential
Multiclass hinge
Sum of hinges
loss
1.2
1.0
0.8
0.6
0.0
0.5
1.0
1.5
2.0
2.5
3.0
gap between the two wrong-class scores (margin 0.5)