

Quiz 3

Total points 100/100

The respondent's email (**irfan.ahmed@stonybrook.edu**) was recorded on submission of this form.

✓ For SVMs, strong duality holds

15/15

☒ True



☐ False

✓ Hinge Loss is continuous and differentiable function everywhere

15/15

☐ True

☒ False



✓ The Radial Basis Kernel corresponds to a kernel space with infinite dimension

10/10

☒ True



☐ False



✓ The number of variables in the primal SVM formulation is smaller than the number of variables in the dual SVM formulation 15/15

☐ True

☒ False



✓ The duality gap can be negative 15/15

☐ True

☒ False



✓ Hinge Loss is an upper bound of the 01-loss 15/15

☒ True

☐ False



✓ The objective function of SVM is a convex quadratic program 15/15

☒ True

☐ False



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