6. The Realizable Case - Quadratic program

Exercises due Feb 22, 2023 08:59 -03 Completed

The Realizable Case - Quadratic program

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The realizable case 1

1/1 point (graded)
In the realizable case, which of the following is true?

- There is exactly one (θ, θ_0) that satisfies $y^{(i)}\ (\theta \cdot x^{(i)} + \theta_0) >= 1$ for $i = 1, .$
- There are more than one, but finite number of (θ, θ_0) that satisfy $y^{(i)}\ (\theta \cdot x^{(i)} +$ $i = 1, \ldots n.$
- **There are infinitely many (θ, θ_0) that satisfy $y^{(i)}\ (\theta \cdot x^{(i)} + \theta_0) >= 1$ for $i = 1$**

✔

- ○
- ○
- ◉

✔

Submit You have used 2 of 2 attempts

Support Vectors

0/1 point (graded)

Support vectors refer to points that are exactly on the margin boundary. In the realizab following is true? Choose all those apply.

- ☑ If we remove one point that is not a support vector, we will get a different
- ☑ If we remove all points that are support vectors, we will get a different
- ☐ If we remove one point that is a support vector, we will get the same
- ☐ If we remove one point that is not a support vector, we will get the same

✖

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Must the margin boundaries always be parallel to each other?

[staff] lost point due to rushing, won't happen again

Hello staff, I am kindly asking to retrieve the lost point, cause I was going so fast that I clearly did not read th

? How do we minimise 1/2 |theta| ^ 2?

How do we minimise 1/2 |theta| ^ 2?

Question about unicity of SVM

Hi all, I don't know how to ask without disclosing the answer, but I wonder : as a quadratic equation, I would

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