

Homework 4

Your name and email

March 7, 2024

1 Question 1 of Section 9.6 of UML (6 points)

Show how to cast the ERM problem ...

You can use the hint directly without proving it.

Proof. Write your answer here.

□

2 Question 6 of Section 9.6 of UML (6 points)

... balls in \mathbb{R}^d ...

You only need to show that if x_1, \dots, x_m are shattered by B_d then $\phi(x_1), \dots, \phi(x_m)$ are shattered by the class of halfspaces in \mathbb{R}^{d+1} . You do not need to answer any other questions.

Proof. Write your answer here.

□

3 Remarks

The \LaTeX file for generating this PDF is provided in the same folder. Please use it for this homework.