3. Motivation

Exercises due Mar 29, 2023 08:59 -03 Completed

Review: True or False

1/2 points (graded)

Consider the classification decision rule

$$\hat{y} = \mathbf{sign}\left(\theta \cdot \phi\left(x\right)\right)$$

where $x \in \mathbb{R}^d$ represent input data and $y \in \{1, -1\}$ is the corresponding predicted la
omitted the bias/offset term for simplicity.

Given the model above, determine if the following statements are True or False.

1. The feature map ϕ is function from $\mathbb{R}^d$ to $\mathbb{R}^d$.

   true ✖

2. If $\phi\left(x\right) \in \mathbb{R}^D$, then the classification parameter θ is also a vector in $\mathbb{R}^D$. (Answ
   as written.)

   true ✔

Submit You have used 1 of 1 attempt

Motivation

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