

Exam for course 2

Question 1 (G-2.1) : Challenges of supervised learning

It means that Euclidean distances might be problematic if data points are actually distributed on lower dimension manifolds.

Question 2 (G-2.2) : Overfitting

1. underfitting
2. none
3. overfitting

Question 3 (G-2.3) : Supervised learning

1, 4

Question 4 (B-2.1) : Challenges of supervised learning

Ill-defined problem, bias/variance (related to overfitting) problem, curse of dimensionality, Riemannian manifolds, linear separability, computation time.

Question 5 (B-2.2) : VC dimension

4.

Question 6 (B-2.3) : Open questions in supervised learning

The fact we do not know how to choose a solution/an architecture for a given problem.