Started on	Friday, 11 November 2022, 1:04 PM
State	Finished
Completed on	Friday, 11 November 2022, 1:11 PM
Time taken	7 mins 28 secs
Grade	**4.83** out of 5.00 (**97%**)

Question 1

Correct

Mark 1.00 out of 1.00

Match

Lasso regression	Induces sparsity, useful for feature selection ✔
Ordinary least squares	No regularization, prone to overfitting ✔
Ridge regression	Weight delcay, shrinkage ✔

Your answer is correct.

The correct answer is:
Lasso regression → Induces sparsity, useful for feature selection,

Ordinary least squares → No regularization, prone to overfitting,

Ridge regression → Weight delcay, shrinkage

Question 2

Partially correct

Mark 0.83 out of 1.00

Match

For hyper-parameter tuning use the	validation (dev) set. ✔
For actual evaluation of the model finally use the	test set. ✔
The set that must not be seen at all in the training phase is the actual	test set. ✔
For training use the	training set. ✔
Other than to the training set, the model may over-fit even to the	validation (dev) set. ✔
It is good to have the researcher's own	validation (dev) set. ✖

Your answer is partially correct.

You have correctly selected 5.
The correct answer is: For hyper-parameter tuning use the → validation (dev) set.,
For actual evaluation of the model finally use the → test set.,

The set that must not be seen at all in the training phase is the actual → test set.,

For training use the → training set.,

Other than to the training set, the model may over-fit even to the → validation (dev) set.,

It is good to have the researcher's own → test set.

Question 3

Correct

Mark 1.00 out of 1.00

Choose parametric vs non-parametric

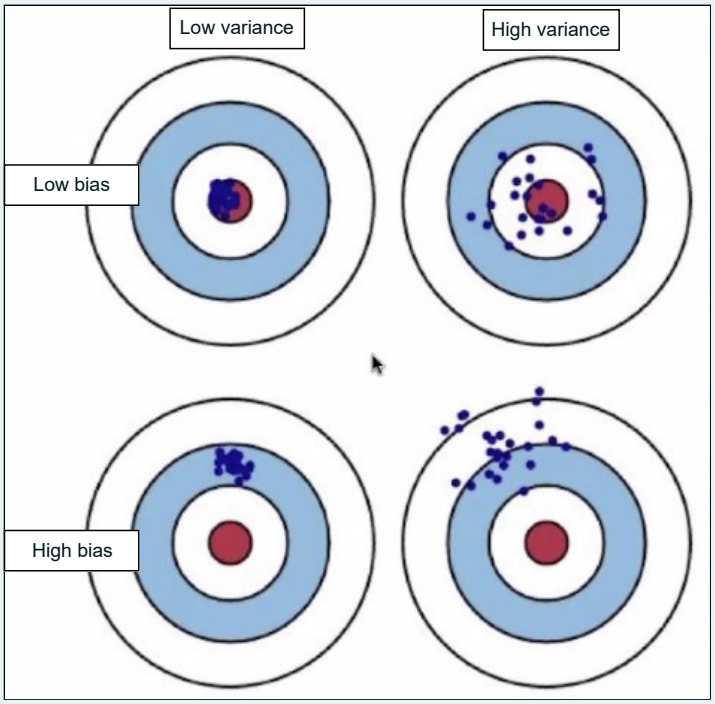
	Parametric	Non-Parametric	
GPs	✖	✔	✔
Kernel SVM	✖	✔	✔
Linear regression	✔	✖	✔
KNN	✖	✔	✔
Deep nets	✔	✖	✔

Question 4

Correct

Mark 1.00 out of 1.00

Drag and drop text



Your answer is correct.

Question 5

Correct

Mark 1.00 out of 1.00

The optimal solution can be obtained in one step in a Closed Form Optimization Process.

Select one:

- True ✔
- False

The correct answer is 'True'.

Previous activity

◄ 02b - An Overview of Machine Learning

Jump to...

Next activity

Assignment 1 ►