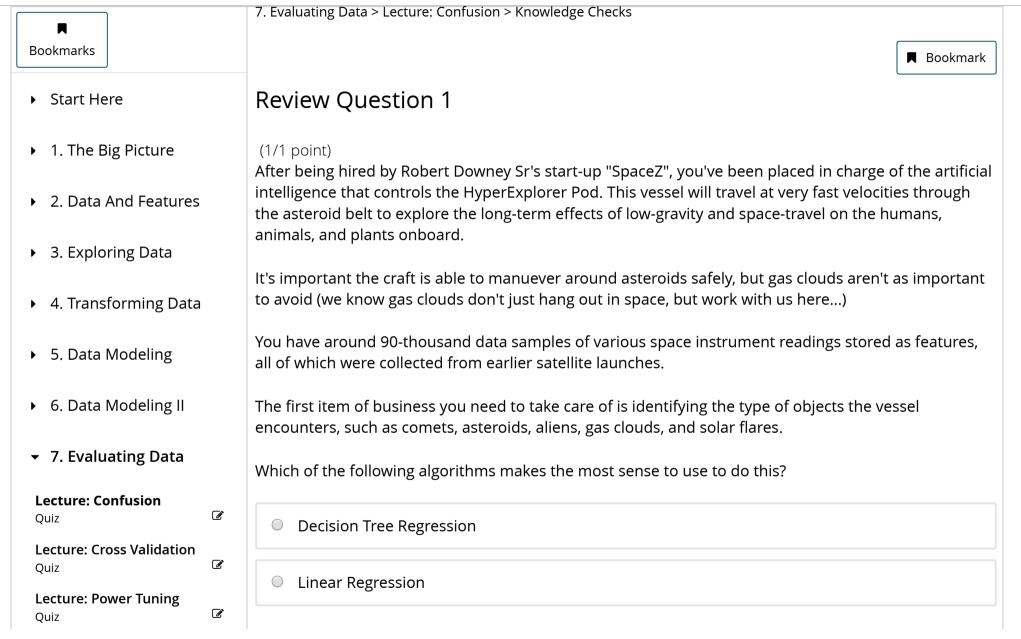


Microsoft: DAT210x Programming with Python for Data Science



Dive Deeper Randomized PCA K-Means SVC **EXPLANATION** Since the purpose is identifying the type of object, you need to use a classifier. The only classifier on the list is SVC. You have used 1 of 2 submissions **Review Question 2** (1/1 point) Given the column definitions: Alligator, Crocodile, and Water Snake, and the following confusion matrix: 3 0 1 0 2 3

Which target is your model doing a really bad job of correctly predicting, and what class does it actually think that target is?

- Crocodile, Alligator
- Alligator, Crocodile
- Crocodile, Water Snake
- Water Snake, Alligator
- Alligator, Water Snake

You have used 1 of 2 submissions

Review Question 3

(1/1 point)

If all you cared about was how *fast* an algorithm could come up with a decent approximation of how much wool a sheep produces per year given the altitude above sea-level it lives, how much it eats per day, and the amount of day-light hours it receives each month, and the existence (or not) of a few genetic markers...

Which of the following algorithms are you most likely to use?

Logistic Regression
● Linear Regression ✔
Boosted Decision Trees Regression
Isomap
Neural Networks
EXPLANATION

Linear regression is the fastest algorithm on this list. Most of the other algorithms are used for classification, but boosted decision tree regression in particular is way slower than linear regression, although is offers better accuracy.

You have used 1 of 2 submissions

© All Rights Reserved



© edX Inc. All rights reserved except where noted. EdX, Open edX and the edX and Open EdX logos are registered trademarks or trademarks of edX Inc.















