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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » **Python for Data Science (course)**

 Announcements (announcements) **About the Course** (https://swayam.gov.in/nd1_noc20_cs36/preview)

Ask a Question (forum) Progress (student/home) Mentor (student/mentor)

Unit 6 - Week 4

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

- Introduction to Classification Case Study (unit? unit=4&lesson=28)
- Case Study on Classification Part I (unit? unit=4&lesson=29)
- Case Study on Classification

Practice Assignment 4

The due date for submitting this assignment has passed. **Due on 2020-02-26, 23:59 IST.**
As per our records you have not submitted this assignment.

Note : This assignment is only for practice purpose and it will not be counted towards the Final score

1) Which of the following functions can be used to split the data into train and test? **1 point**

- ☐ pandas.train_test_split()
- ☐ numpy.train_test_split()
- ☐ sklearn.model_selection.train_test_split()
- ☐ sklearn.train_test_split()

No, the answer is incorrect.
Score: 0

Accepted Answers:

`sklearn.model_selection.train_test_split()`

2) The function used to perform k-Nearest Neighbors classification is: - **1 point**

- ☐ sklearn.KNN
- ☐ sklearn.KNearestClassifier
- ☐ sklearn.neighbors.KNeighborsClassifier()
- ☐ sklearn.neighbors.KNeighborsRegressor()

Part II (unit?
unit=4&lesson=30)

☐ Introduction to
Regression
Case Study
(unit?
unit=4&lesson=31)

☐ Case Study on
Regression Part
I (unit?
unit=4&lesson=32)

☐ Case Study on
Regression Part
II (unit?
unit=4&lesson=33)

☐ Case Study on
Regression Part
III (unit?
unit=4&lesson=34)

☒ Data sets (unit?
unit=4&lesson=89)

☐ **Quiz : Practice
Assignment 4
(assessment?
name=69)**

☒ Quiz :
Assignment 4
(assessment?
name=95)

☒ Week 4
Feedback (unit?
unit=4&lesson=99)

☒ Solution -
Assignment 4
(unit?
unit=4&lesson=101)

**Supporting
material for Week
4**

Download Videos

No, the answer is incorrect.
Score: 0

Accepted Answers:
`sklearn.neighbors.KNeighborsClassifier()`

3) A Linear Regression model is said to be good when the **R-squared** value tends to

1 point

- ☐ 0
☐ 1
☐ -1
☐ 0.5

No, the answer is incorrect.
Score: 0

Accepted Answers:
1

4) The Gini coefficient ranges from

1 point

- ☐ 0 to 1
☐ -1 to 0
☐ -1 to 1
☐ None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
0 to 1

5) What is heteroscedasticity as used to assess a Linear Regression model?

1 point

- ☐ Linear regression with varying error terms
☐ Linear regression with constant error terms
☐ Linear regression with no error terms
☐ All the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Linear regression with varying error terms

