

Answer Submitted.

X


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[NPTEL \(https://swayam.gov.in/explorer?ncCode=NPTEL\)](https://swayam.gov.in/explorer?ncCode=NPTEL) » Data Science for Engineers (course)
Course
outlineHow does an
NPTEL online
course work?

Setup Guide

Pre Course
Material

Week 0

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

☐ K - Nearest
Neighbors

Week 8: Assignment 8 (Non Graded)

Assignment not submitted

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

1) The within cluster sum of squares for each cluster (the order of values in each option could be different):-

1 point

- ☐ 11.95246 19.62285 46.74796
☒ 8.561523 10.39874 35.26852
☐ 10.62285 15.64962 43.25469
☐ 12.35869 18.36987 40.36756

No, the answer is incorrect.
Score: 0

Accepted Answers:
11.95246 19.62285 46.74796

2) The size of each cluster is (the order of values in each option could be different):-

1 point

- ☐ 10 17 20
☒ 11 18 25
☐ 13 17 20
☐ 9 11 18

No, the answer is incorrect.
Score: 0

Accepted Answers:
13 17 20

3) Which of the following term(s) is/are associated with K-means clustering?

1 point

(kNN) (unit?
unit=98&lesson=99)

☐ K - Nearest
Neighbors
implementation
in R (unit?
unit=98&lesson=100)

☐ K - means
Clustering
(unit?
unit=98&lesson=101)

☐ K - means
implementation
in R (unit?
unit=98&lesson=102)

☐ FAQ (unit?
unit=98&lesson=103)

☐ Data Science
for engineers -
Summary
(unit?
unit=98&lesson=104)

☐ Week 8 data
set (unit?
unit=98&lesson=105)

☐ Week 8
Feedback
Form: Data
Science for
Engineers
(unit?
unit=98&lesson=106)

☐ **Practice:**
Week 8:
Assignment 8
(Non Graded)
(assessment?
name=127)

☐ Quiz: Week 8:
Assignment 8
(assessment?
name=143)

Text Transcripts

**Download
Videos**

Books

- ☐ Distance metric
- ☐ Cluster centers
- ☒ Dendrogram
- ☐ Elbow method

No, the answer is incorrect.
Score: 0

Accepted Answers:

Distance metric

Cluster centers

Elbow method

4) Which method of analysis does not need an independent and dependent variable(s)?

1 point

- ☐ Regression analysis
- ☒ Discriminant analysis
- ☐ Cluster analysis
- ☐ Analysis of variance

No, the answer is incorrect.
Score: 0

Accepted Answers:

Cluster analysis

5) The Euclidean distance between the two data points X (-4,4) and Y (8,8) is _____
(Rounded off to three decimal places)

4.56

No, the answer is incorrect.
Score: 0

Accepted Answers:

(Type: Range) 12.645,12.650

1 point

Check Answers and Submit

Your score is: 0/5

