## CC: 3.3.1: Introduction to kNN Classification

Introduction to kNN Classification: Question 1

1/1 point (graded)

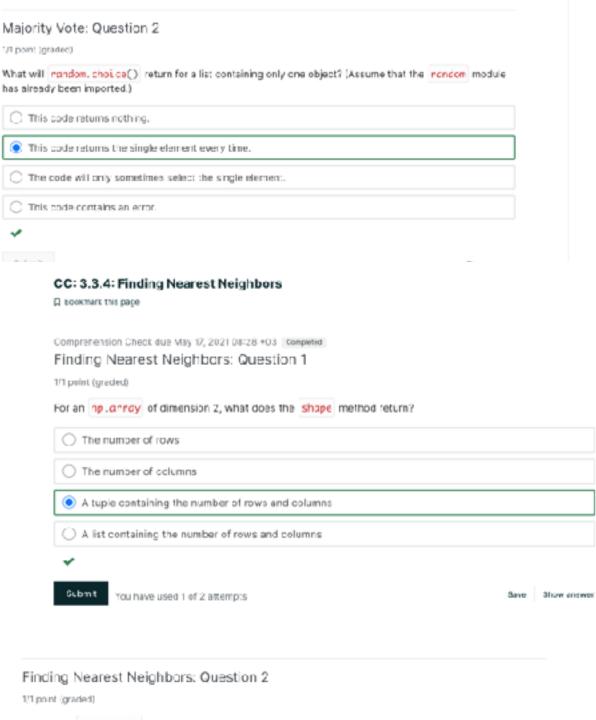
How does the k Nearest Neighbors classifier classify observations?

According to the most common class among the nearest  $\boldsymbol{k}$  neighbors correct

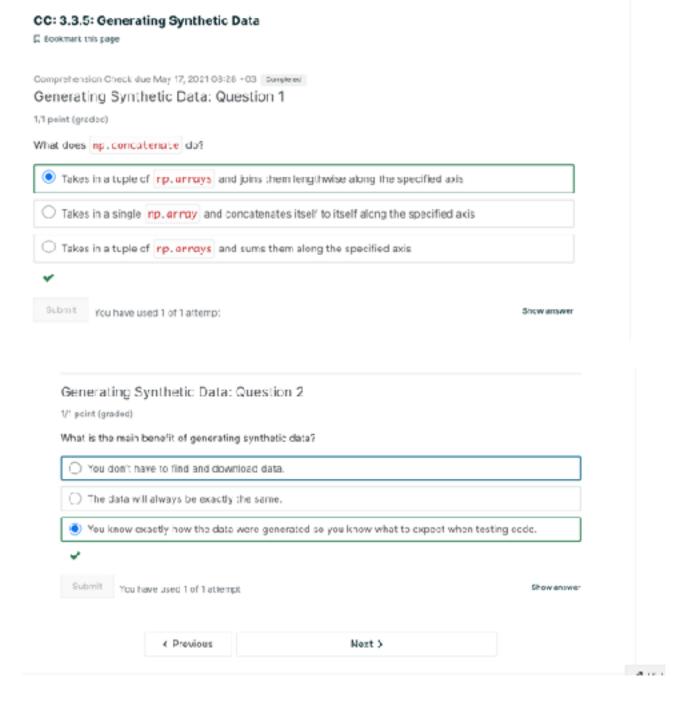
According to the mean class among the nearest k neighbors

## **CC: 3.3.2: Finding the Distance Between Two Points**

imprehension Check due May 17, 2021 08:28 ±03 Completed	
nding Distance: Question 1	
point (graced)	
w is the distance measure we use (as in Yideo 3.3.2) defined between points (a1, b1) and (a2, b2)?	
$ a_1 - a_2  +  b_1 - b_2 $	
$(a_1 - a_2)^2 + (b_1 - b_2)^2$	
$\sqrt{(a_1-a_2)^2+(b_1-b_2)^2}$	]
$\sqrt{(a_1 - a_2)^2 - (b_1 - b_2)^2}$	1
Submit You have used 2 of 2 attempts Showanswe	r
CC 3.3.3: Majority Vote	
□ Bookmark this page	
Companiersion Check due May 17, 2021 08:28 +0.3   Companied	
Majority Vote: Question 1	
1/1 point (graded)	
What does the items method for dictionaries return?	
A dict_items object with elements consisting of keys	
A dict_items   citject with elements consisting of values	
A dict_items object with elements consisting of tuples of key, value pairs	
This method does not exist in Python 3.	







## CC: 3.3.6: Making a Prediction Grid Bookmark this page Comprehension Check due May 17, 2021 08-28 +03 Completed Making a Prediction Grid: Question 1 1/1 point (graded) What does inplication of inplication as the first argument and arranges them according to the second argument Takes a tuple of inplication of inplication as the first argument and arranges them according to the second argument Takes a range object and returns an inplication of inp

Submit

You have used 1 of 1 attempt

Show answer

Making a Prediction Grid: Question 2	
1/1 point (graded)	
What does enumerate do?	
Takes an iterable and returns a range object:	
<ul> <li>Takes an iterable and returns a new iterable with tupies as elements, where the files the index of the tuple in the iterable</li> </ul>	irst index of each tuple
Takes iterables as arguments and returns an array of the total number of elements.	s in each iterable
Takes iterables as arguments and returns an integer of the total number of eleme	nts in all iterables
✓	
Submit You have used 1 of 2 attempts	Save Show answer
CC: 3.3.8: Applying the kNN Method  Disconnect this page	
Comprehension Check due May 17, 2021 08:28 +03   Completed   Applying the kNN Method: Question 1	
1/1 point (graded)	
What are the four variables in the tris dataset described in Video 3.3.8?	
Sepal length, sepal width, iris length, iris width	
Sepal length, sepal width, petal length, petal width	
Stamen length, stamen width, iris length, iris width	
Stamen length, stamen width, petal length, petal width	
Submit You have used 1 of 2 attempts	Save Show answer
Applying the kNN Method: Question 2	
How many different species are contained in the tris dataset described in Video 3.3.8?	
3	
O 4	
○ s	
○ 6	
<b>✓</b>	
Submit You have used 1 of 2 attempts So	Show answer

Applying the kNN Method: Question 3 t/t point (graded)	
How often do the predictions from the homemode and scikit Learn kNN classific class of the data in the tris dataset described in Video 3.3.8?	rs accurately predict the
○ Approximately 65% of the time	
Approximately 75% of the time	
Approximately 85% of the time	
Approximately 95% of the time	
<b>✓</b>	
Submit You have used 1 of 2 attempts	Save Show answe