

<u>Course</u> > <u>Week 3</u> > <u>Progra</u> > Progra
Programming Assignment 3 Click this link to download the Winery Classification notebook and then complete problem 1-5.
Click this link to download the <u>Gaussian Generative-MNIST notebook</u> and then complete problems 6-8.
Problem 1 1 point possible (graded) This problem is based on the Winery classification notebook. You should work through that notebook and then enter answers here. How many errors (out of 48) are made on the test set when using the single feature 'Ash'? Submit
Problem 2 1 point possible (graded) How many errors when using 'Alcohol' and 'Ash'? Generating Speech Output

Submit

Р	r۸	h	lem	3
	,	.,		

1	point	possibl	e (grad	led _i)
---	-------	---------	-----	------	------------------	---

How many errors when using 'Alcohol', 'Ash', and 'Flavanoids'?

Problem 4

Submit

1 point possible (graded)

How many errors when using all the features?

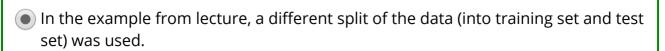
Problem 5

Submit

1/1 point (graded)

In lecture, we got zero errors on the test set when using all the features. Why might this be?





Generating Speech Output

7/2019 Pro	gramming Assignment 3 Programming Assignment 3 DSE220x Courseware edX
In the example from generative model.	n lecture, a different procedure was used for fitting a Gaussian
•	
Submit	
Problem 6	
1/1 point (graded) This problem is based on that notebook and then e	the <i>Gaussian generative MNIST notebook</i> . You should complete enter answers here.
What happens if you do r	not regularize the covariance matrix? Select all that apply.
The displayed mear	n vectors are different.
The procedure fit	_generative_model generates an error message.
The procedure for contact the procedure	omputing the test error generates an error message.
✓	
Submit	
Problem 7	
1/1 point (graded) What happens if you set apply.	the value of c too high, for instance to one billion? Select all that
The procedure fit	_generative_model generates an error message.
The procedure for c	computing the test error generates an error message.

Generating Speech Output

• The test error approaches that of a random classifier.

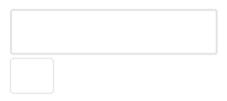


Submit

Problem 8

1 point possible (graded)

What value of c did you end up using? *Note: any value of c will be accepted.



Submit

© All Rights Reserved

Generating Speech Output