

ED5340:Data Science: Theory and practice

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LAB 11: PART 1- LOGISTIC REGRESSION

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Opened: Wednesday, 3 April 2024, 12:00 AM
Due: Wednesday, 3 April 2024, 6:00 PM

- 1) (a) Plot the sigmoid function. Print your interpretation on why this function is useful for a classification problem.
- (b) Plot the log functions in the cost function individually. Print your interpretation of the log functions
- c) Using your own data for a single feature problem, and assuming linear regression problem, plot the cost function and the corresponding contours. Also, using cross entropy as the cost function, plot it as well as its contours.

Edit submission

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Submission status

Submission status	Submitted for grading
Grading status	Graded
Time remaining	Assignment was submitted 4 mins 22 secs early
Last modified	Wednesday, 3 April 2024, 5:55 PM
File submissions	<div><div> AM23M022_LAB11_03_04_2024.py</div><div>3 April 2024, 5:55 PM</div></div>
Submission comments	<div>▶ Comments (1)</div>

Feedback

Grade	10.00 / 10.00
Graded on	Wednesday, 29 May 2024, 1:35 PM

Graded by

eS

ed19b032 SIVAHARI A

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