Quiz 1

Total points 100/100

The respondent's email (**irfan.ahmed@stonybrook.edu**) was recorded on submission of this form.

✓ The objective function of Logistic Regression is Concave 10/10

- (●) True ✓
- ( ) False

✓ Naive Bayes assumes that the features are independent of one another 10/10

- ( ) True
- (●) False ✓

✓ A Discriminative Classifier is always superior to a Generative Classifier 10/10

- ( ) True
- (●) False ✓

✓ Gradient Descent is guaranteed to converge to a global optimum solution if the objective function is convex 10/10

- (●) True ✓
- ( ) False

✓ Logistic Regression converges to its asymptotic estimate faster than Gaussian Naive Bayes 10/10

- ( ) True
- (●) False ✓

✓ Logistic Regression is a linear classifier 10/10

- (●) True ✓
- ( ) False

✓ Logistic Regression is a Generative classifier 10/10

- ( ) True
- (●) False ✓

✓ To learn the parameters of Naive Bayes, we maximize the Conditional likelihood of the data 10/10

- ○ True
- ◉ False ✓

✓ Logistic Regression can only be used for binary classification 10/10

- ○ True
- ◉ False ✓

✓ Gaussian Naive Bayes makes stronger assumptions than Logistic Regression 10/10

- ◉ True ✓
- ○ False

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