

CSCI 3202 Quiz 3

At the top of the page, please put Quiz 3, your name and student number, and the date.

1. What is the goal of Classification?
2. Show me some linearly separable data. Use + for the positive class and – for the negative class.
3. Show me some NON-linearly separable data. Use + for the positive class and – for the negative class.
4. Under what conditions is the Perceptron Algorithm theoretically guaranteed to converge?
5. When it does converge, does it give a unique hyperplane every time?
6. How can the Perceptron Algorithm be applied to non-linear data?