Worksheet Set_1

Machine Learning

Q.1 B) O (n)

Q.2 B) Logistic Regression

Q.3 B) Gradient Descent

Q.4 C) Lasso

Q.5 D) All of the above

Q.6 A) True

Q.7 A) scaling cost function by half makes gradient descent converge faster

Q.8 B) Correlation

Q.9 A), B) and C)

Q.10 A) and C)

Q.11 C)

Q.12 If we have a training set of millions of features, then we can use Gradient Descent linear regression training algorithm. There are different types of Gradient Descent algorithms like stochastic gradient descent, mini-batch gradient descent and batch gradient descent. Using gradient descent helps not to load the entire data at once.

Q.13 Support Vector Machine or KNN might suffer if the features in training set have very different scales, because they tend to normalize the training data at the time of model training.