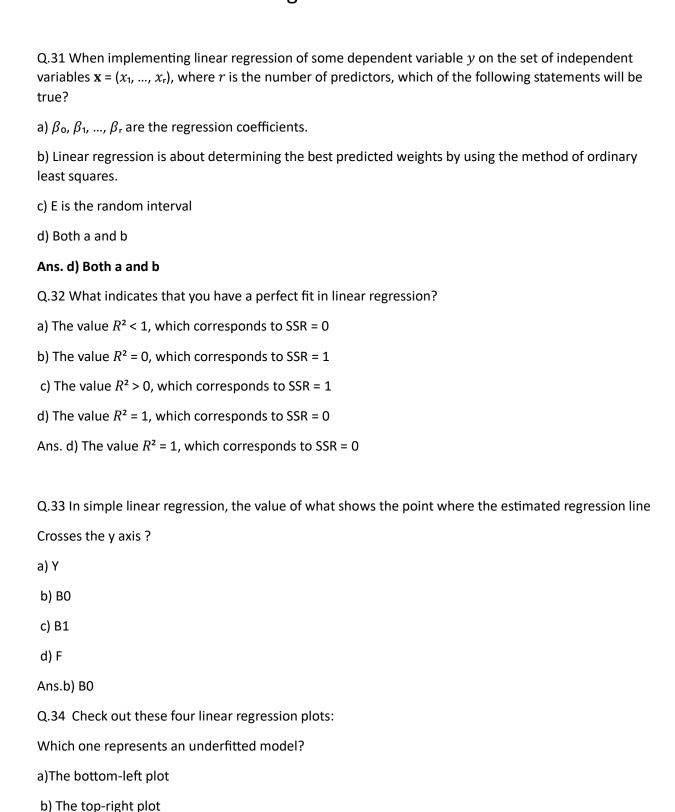
Assignment-4



c) The bottom-right plot
d) The top-left plot
Ans.b) The top-right plot
Q.35 There are five basic steps when you're implementing linear regression:
• a. Check the results of model fitting to know whether the model is satisfactory.
• b. Provide data to work with, and eventually do appropriate transformations.
• c. Apply the model for predictions.
• d. Import the packages and classes that you need.
• e. Create a regression model and fit it with existing data.
However, those steps are currently listed in the wrong order. What's the correct order?
a) e, c, a, b, d
b) e, d, b, a, c
c) d, e, c, b, a
d) d, b, e, a, c
Ans. a) e, c, a, b, d
Q.36 Which of the following are optional parameters to Linear Regression in scikit-learn?
a) Fit
b) fit_intercept
c) normalize
d) copy_X
e) n_jobs
f) reshape
Ans.a) Fit
Q.37 While working with scikit-learn, in which type of regression do you need to transform the array of inputs to include nonlinear terms such as x^2 ?
a) Multiple linear regression
b) Simple linear regression
c) Polynomial regression

Ans. c) Polynomial regression
Q.38 You should choose statsmodels over scikit-learn when:
a) You want graphical representations of your data.
b) You're working with nonlinear terms.
c) You need more detailed results.
d) You need to include optional parameters.
Ans. c) You need more detailed results.
Q.39 is a fundamental package for scientific computing with Python. It offers comprehensive mathematical functions, random number generators, linear algebra routines, Fourier transforms, and more. It provides a high-level syntax that makes it accessible and productive.
a) Pandas
b) Numpy
c) Statsmodel
d) scipy
Ans.b) Numpy
Q.40 is a Python data visualization library based on Matplotlib. It provides a high-level interface for drawing attractive and informative statistical graphics that allow you to explore and understand your data. It integrates closely with pandas data structures.
a) Bokeh
b) Seaborn
b) Seaborn c) Matplotlib
c) Matplotlib
c) Matplotlib d) Dash
c) Matplotlib d) Dash
c) Matplotlib d) Dash Ans . b) Seaborn
c) Matplotlib d) Dash Ans . b) Seaborn Q.41 Among the following identify the one in which dimensionality reduction reduces.
c) Matplotlib d) Dash Ans . b) Seaborn Q.41 Among the following identify the one in which dimensionality reduction reduces. a) Performance
c) Matplotlib d) Dash Ans . b) Seaborn Q.41 Among the following identify the one in which dimensionality reduction reduces. a) Performance b) statistics

Q.42 Which of the following machine learning algorithm is based upon the idea of bagging?
a) Decision Tree
b) Random Forest
c) Classfication
d) SVM
Ans. b) Random Forest
Q.43 Choose a disadvantage of decision trees among the following.
a) Decision tree robust to outliers
b) Factor analysis
c) Decision Tree are prone to overfit
d) all of the above
Ans. C) Decision Tree are prone to overfit
Q.44 What is the term known as on which the machine learning algorithms build a model based on sample data?
a) Data Training
b) Sample Data
c) Training data
d) None of the above
Ans. C) Training data
Q.45 Which of the following machine learning techniques helps in detecting the outliers in data?
a) Clustering
b) Classification
c) Anamoly detection
d) All of the above
Ans. Anamoly detection
Q.46 Identify the incorrect numerical functions in the various function representation of machine
learning.
a) Support Vector
b) Regression

c) Case based
d) Classification
Ans. C) Case based
Q.47 Analysis of ML algorithm needs
a) Statistical learning theory
b) Computational learning theory
c) None of the above
d) Both a and b
Ans. d) Both a and b
Q.48 Identify the difficulties with the k-nearest neighbor algorithm.
a) Curse of dimensionality
b) Calculate the distance of test case for all training cases
c) Both a and b
d) None
Ans. C) Both a and b
Q.49 The total types of the layer in radial basis function neural networks is
a) 1
b) 2
c) 3
d) 4
Ans. C) 3
Q.50 Which of the following is not a supervised learning
a) PCA
b) Naïve bayes
c) Linear regression
d) KMeans
Ans. a) PCA