21)

When implementing linear regression of some dependent variable y on the set of independent variables $\mathbf{x} = (x_1, \dots, x_r)$, where r is the number of predictors, which of the following statements will be true?

Ans.- d) Both and b

22)

What indicates that you have a **perfect fit** in linear regression?

Ans.- d) The value $R^2 = 1$, which corresponds to SSR = 0

23)

In simple linear regression, the value of **what** shows the point where the estimated regression line crosses the *y* axis?

Ans.- b) B0

24)

Check out these four linear regression plots:

Which one represents an **underfitted** model?

Ans.- d) The top-left plot

25)

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?

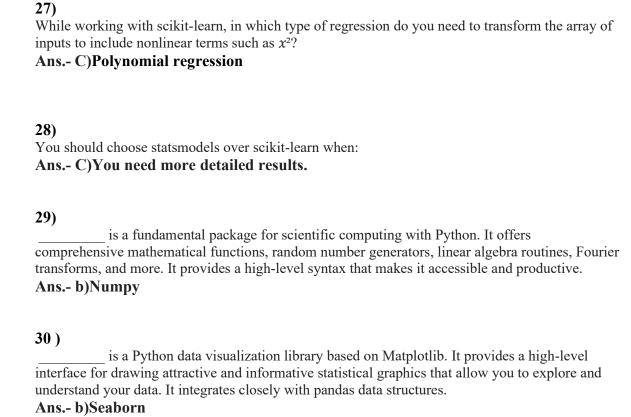
Ans.- d) d, b, e, a, c

26)

Which of the following are optional parameters to LinearRegression in scikit-learn?

- a) Fit
- b) fit_intercept
- c) normalize
- d) copy X
- e) n jobs
- f) reshape

Ans.- b) fit intercept d) copy X f) reshape



41) Among the following identify the one in which dimensionality reduction reduces. Ansd) Collinearity
42) Which of the following machine learning algorithm is based upon the idea of bagging? Ansb)Random Forest
43) Choose a disadvantage of decision trees among the following. Ansc)Decision Tree are prone to overfit
44) What is the term known as on which the machine learning algorithms build a model based on sample data? Ansc)Training data
45) Which of the following machine learning techniques helps in detecting the outliers in data? Ansc) Anamoly detection
46) Identify the incorrect numerical functions in the various function representation of machine learning. Ansc)Case based
47) Analysis of ML algorithm needs d) Both a and b
48) Identify the difficulties with the k-nearest neighbor algorithm. Ansc) Both a and b
49) The total types of the layer in radial basis function neural networks is Ansc) 3
50) Which of the following is not a supervised learning Ansa) PCA