## project

21) When implementing linear regression of some dependent variable y on the set of independent

variables  $\mathbf{x} = (x_1, ..., x_r)$ , where r is the number of predictors, which of the following statements will

be true?

Ans.d) Both a 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?

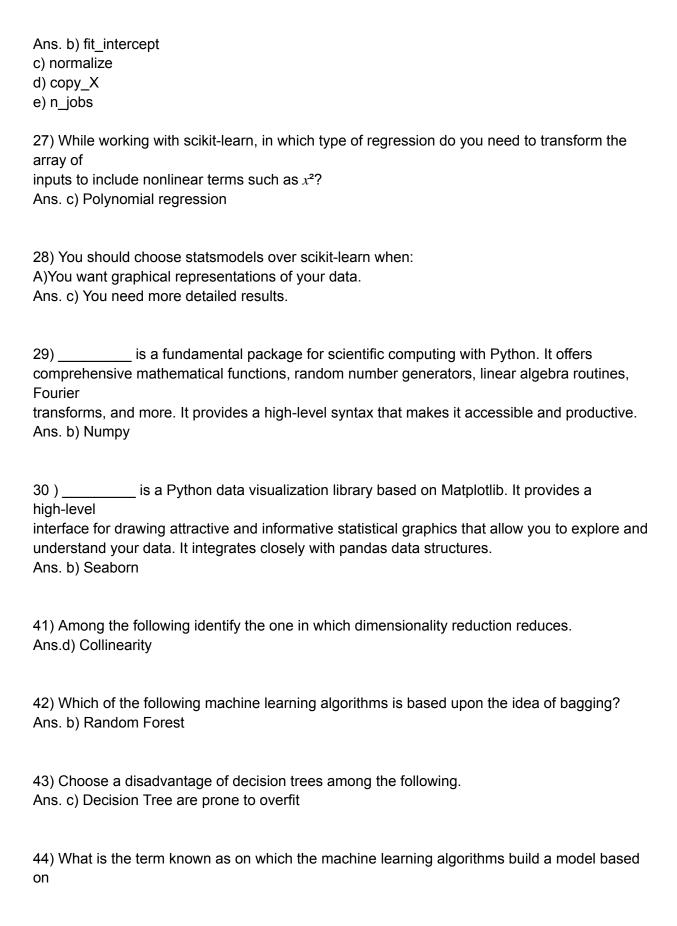
- a)The bottom-left plot
- b) The top-right plot
- c) The bottom-right plot
- d) The top-left plot

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?



sample data?
Ans. c) Training data

- 45) Which of the following machine learning techniques helps in detecting the outliers in data? Ans. c) Anomaly detection.
- 46) Identify the incorrect numerical functions in the various function representation of machine learning.

Ans. a) Support Vector

Ans. c) 3

47) Analysis of ML algorithm needs Ans. d) Both a and b

48) Identify the difficulties with the k-nearest neighbor algorithm. Ans. c) Both a and b

49) The total types of the layer in radial basis function neural networks is \_\_\_\_\_

50) Which of the following is not a supervised learning Ans. d) KMeans