21 When implementing linear regression of some dependent variable □ on the set of independence variables □ = (□1, ..., □r), where □ is the number of predictors, which of the following statements will be true?

Ans : D

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

Ans : D

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

Ans : A

24 Check out these four linear regression plots:

Which one represents an **underfitted** model?

Ans : D

25 There are five basic steps when you're implementing linear regression: However, those steps are currently listed in the wrong order. What's the correct order?

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.

Ans : C

26 Which of the following are optional parameters to LinearRegression in scikit-learn?
Ans : B, D ,E

27 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 □2?

Ans : c

28 You should choose statsmodels over scikit-learn when:

Ans : D

29_____ 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.

Ans : B

30 _____ 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.

Ans : B