21. Which implementing linear regression of some dependent variable y on the set of independent variable x=(x1,….xt), where r is the number of predictors, which of the following statements will be true?

ANS. (d)

22. Which indicates that you have a perfect fit in linear regression?

ANS. (d)

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

ANS. (a) Y

24. Check out these four linear regression plots:

ANS.(c) The bottom right plot

25. There are five basic steps when you're implementing linear regression:

ANS. (c) d,e,c,b,a

26. Which of the following are optional parameters to Linear Regression in scikit-learn?

ANS. (b) fit_intercept

27. Which working with scikit-learn in which type of regression do you need to transform the array of inputs to include nonlinear terms such as x2?

ANS. (c)polynomial regression

28. You should choose statsmodels over scikit-learn when:

ANS.(d) you need to include optional paramaters.

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) Numpy

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 structure.

ANS. (b) seaborn