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) 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 gaxis?				
Ans: b) B0				
24) Check out these four linear regression plots: Which one represents an underfitted model?				
Ans: a) The bottom-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: c) d, e, c, b, a.				
26) Which of the following are optional parameters to Linear Regression in scikit-learn?				
Ans: b) fit_intercept				
c) normalize				
d) copy_X				
e) n_jobs				
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 x^2 ?				
Ans: c) Polynomial regression				
28) You should choose stats models over scikit-learn when:				
Ans: c) You need more detailed results.				
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				

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

syntax that makes it accessible and productive.

Ans: b) Numpy

Ans: b) Seaborn

with pandas data structures.