variables $\mathbf{x} = (x_1,, x_r)$ , where $r$ is the number of predictors, which of the following statements will be true?
Answer:
a). $\beta_0$ , $\beta_1$ ,, $\beta_r$ are the regression coefficients.
22. What indicates that you have a perfect fit in linear regression?
Answer:
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?
Answer:
a) Y
24) Check out these four linear regression plots
Underfitting
d) The top-left plot
2525) 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
Answer:
d) d, b, e, a, c
26 ) Which of the following are optional parameters to LinearRegression in scikit-learn

Answer:
b) fit_intercept
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 $x^2$ ?
Answer:
c) Simple linear regression
28) You should choose statsmodels over scikit-learn when:
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 syntax that makes it accessible and productive
Answer:
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 structures
b) Seaborn