Assignment-2-Answers

21.

(d) Both a and b

Reason: E is random error not random interval

22.

(d) The value R^2 = 1, which corresponds to SSR = 0

23.

(b) B0

24.

(d) The top-left plot

25.

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

Explanation: Correct sequence for implementing linear regression are –

• Import the packages and classes that you need.

• Provide data to work with, and eventually do appropriate transformations.

• Create a regression model and fit it with existing data.

• Check the results of model fitting to know whether the model is satisfactory.

• Apply the model for predictions.

26.

(b) fit_intercept

(c) normalize

(d) copy_X

(e) n_jobs

Reason: Fit is a method that is used to fit the model to the data and reshape is NumPy method that is used to reshape arrays.

27.

(c) Polynomial regression

Reason: Polynomial regression requires transforming the array of inputs to include nonlinear terms such as x^2 because it allows the model to capture more complex, nonlinear relationships between the independent variable(s) and the dependent variable.

28.

(c) You need more detailed results.

29.

(b) Numpy

30.

(b) Seaborn