D2_PDF

Q21. When Implementing Regression of some dependent variable y on the set of independent variables x = (x_1, …, x_r), where r is the number of predictors, which of the following statements will be true ?

ANS :- Both a and b.

Q22. What indicates that you have a perfect fit in linear regression ?

ANS :- The value $R^2 > 0$, which corresponds to SSR = 1.

Q23. In simple linear regression, the value of what shows the point where the estimated regression line crosses the y axis ?

ANS :- Y.

Q24. Check out these four linear regression plots:

ANS :- The bottom-left plot.

Q25. There are five basic steps when you're implementing linear regression?

ANS :- d, b, e, a, c.

Q26. Which of the following are optional parameters to LinearRegression in scikit-learn?

ANS :- fit_intercept. copy_X. n_jobs.

Q27. 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 :- Polynomial regression.

Q28. You should choose statsmodels over scikit-learn when ?

ANS :- You need more detailed results.

Q29. _____ 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 :- Numpy.

Q30. _____ 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 :- Seaborn.