

Ans: df.describe() 6. What is the minimum possible value of Pearson's Correlation: Ans: -1 7. What is the Pearson correlation between variables X and Y, if X=Y: Ans: 1 o d e l e v e l opment 1. What steps do the following lines of code perform: Input=[('scale',StandardScaler()),('model',LinearRegression())] pipe=Pipeline(Input) pipe.fit(Z,y) ypipe=pipe.predict(Z) Ans: Standardize the data, then perform a prediction using a linear regression model using the features Z and targets y 2. We create a polynomial feature as follows "PolynomialFeatures(degree=2)", what is the order of the polynomial Ans: 0 3. What value of R^2 (coefficient of determination) indicates your model performs best? Ans: 1 4. The larger the mean square error, the better your model has performed Ans: False luat 1. What is the correct use of the "train_test_split" function such that 90% of the data samples will be utilized for training, the parameter "random_state" is set to zero, and the input variables for the features and targets are x_data, y_data respectively. Ans: train_test_split(x_data, y_data, test_size=0.1, random_state=0)