

Create a Jupyter Notebook file. Your tasks include:

- Answer the following questions (1-4)
- Create a regression model (question 5)

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1. How can we use regression analysis to identify the key factors that contribute to the target variable?
 2. What are the assumptions that linear regression has on data?
 3. How can regression analysis be used in the feature selection process?
 4. What is R-squared? What information does it convey? How can it be calculated and what implication does it give on different values?
 5. Use the dataset `used_car_price`. Create a regression model to predict sale price from given attributes. Note that some data preparation techniques, feature selection, and feature engineering must be applied beforehand. The target column is `price_usd`.