Question 8.1

Describe a situation or problem from your job, everyday life, current events, etc., for which a linear regression model would be appropriate. List some (up to 5) predictors that you might use.

Suppose we are in charge of a Tesla manufacture plant, we may want to predict the sales of a model of Tesla next month. In this case, linear regression model can be an appropriate to analyze how different predictors influence sales.
We plan to set these predictors: the price of this model of Tesla, the acceleration performance of this model, the range, the appearance, and the price level of fossil oil.