

2. In each of the following sets of variables, identify which of the variables can be regarded as a response variable and which can be used as predictors?

(Explain)

- (a) Number of cylinders and gasoline consumption of cars
- (b) SAT scores, grade point average, and college admission
- (c) Supply and demand of certain goods
- (d) Company's assets, return on a stock, and net sales
- (e) The distance of a race, the time to run the race, and the weather conditions at the time of running
- (f) The weights of a person, whether or not the person is a smoker, and whether or not the person has a lung cancer
- (g) The height and weight of a child, his/her parents' height and weight, and the gender and age of the child