**Question 2.1**

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

# I like to buy various hobby items such as trading cards. In searching for new products to buy, it is important to distinguish between card packs that are worth buying to open (O), card packs that are worth buying to resell (R), and card packs that are not worth buying (X). Classifying an item into one of these three categories is based on a large subset of predictors. Liquidity, market population, market price, product age, and “chase cards” (the cards that hobbyists are interested in opening from card packs) may all be useful in determining whether an item belong to the O, R, or X category.