

Thinkful Data Science Boot Camp
Unit 2.2 Drill 3
Regression or Classification

For each of the following situations, decide if you would model using a regression or classification model. Discuss your reasoning with your mentor next time you meet.

- 1. The amount a person will spend on a given site in the next 24 months.**
 - a. Regression (continuous variable)
- 2. What color car someone is going to buy.**
 - a. Classification (categorical variable - limited choices)
- 3. How many children a family will have.**
 - a. Classification (could be Regression but there is a limited number of choices that would not be considered outliers)
- 4. If someone will sign up for a service.**
 - a. Classification (this is a categorical variable - yes or no)
- 5. The number of times someone will get sick in a year.**
 - a. Regression (there is no real reasonable count per person and cannot make categories for all probabilities)
- 6. The probability someone will get sick in the next month.**
 - a. Regression (there is no real reasonable count per person and cannot make categories for all probabilities)
- 7. Which medicine will work best for a given patient.**
 - a. Classification (categorical variable)