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.
   1. Regression
2. What color car someone is going to buy.
   1. Classification
3. How many children a family will have.
   1. Regression is better – don’t want to limit the possible outcomes to, say, 5 children.
4. If someone will sign up for a service.
   1. Classification
5. The number of times someone will get sick in a year.
   1. Regression is better – someone could be sick every day, and you don’t you don’t want to restrict the sample outcomes to say, 5 days.
6. The probability someone will get sick in the next month.
   1. Regression
7. Which medicine will work best for a given patient.
   1. Classification