

Probability, HW2

Practice problems: Book, p.67–: 31, 35, 36, 37, 41, 49, 54, 72, 73

Turn-in problems:

1. You buy a used car in a city where street-flooding is a common problem. You know that about 5% of used cars have previously been flood-damaged and estimate that about 80% of those will later develop serious engine problems. Among cars that have not been flood-damaged only 10% will develop the same type of problems. If you buy a car, what is the probability that it develops engine problems?
2. Book, problem 59 on page 70.
3. Book, problem 76 on page 71.