

Chapter 7 – Probability and inductive reasoning

Getting familiar with... probability and statistics.

For each of the following claims, identify whether it is expressing a probability or a statistic.

1. 7 out of 10 high school seniors said they have tried marijuana.
2. The risk that you will die in an automobile accident goes down significantly if you wear a seatbelt.
3. The chances of winning the lottery are slim to none.
4. Of those we surveyed, over half said they would vote in the next presidential election.
5. The percentage of deaths caused by police officers jumped dramatically last year.
6. Your portfolio is likely to grow a lot over the next year.
7. It rained 25 days out of 100 last year.
8. The likelihood that a student will get a job right after college has dropped every year for the past five years.
9. The likelihood that you will get a job when you finish college is not high.
10. 4 out of 5 doctors that we interviewed said they are concerned about the effectiveness of this year's flu vaccine.