

AI-C 205 Probability and Statistics

Homework 1

(Deadline: 6st Oct, 2026)

1. There are K people at a party. What is the probability that there are at least two people having the same birthday?
2. If we toss a fair coin three times, what is the probability that we get
 - (a) heads, heads, tails?
 - (b) two heads?
3. If we toss a fair die twice, what is the probability that the sum is 10 or larger?