

CSE 107

Discussion Problems to Accompany Homework Assignment 7

All problems are from *Introduction to Probability* (2nd edition) by Bertsekas and Tsitsiklis.

Section 4.2: Covariance and Correlation

Problems: 17, 18, 19

Section 4.3: Conditional Expectation and Variance

Problems: 22, 25

Section 4.5: Sum of a Random Number of Independent Random Variables

Problems: 44

Section 6.1: The Bernoulli Process

Problems: 1, 2, 3

Section 6.2: The Poisson Process

Problems: 8, 9, 10, 11, 12