

PRINCETON UNIVERSITY

Fall 2013

ELE 525: Homework #1

Assigned: Wednesday September 25, 2013

Due: Wednesday October 2, 2012

- 1 . Textbook, p. 39, Problem 2.12 Axiom 3. Derive (2.22)
2. p. 40, Problem 2.20: Birthday problem.
3. p. 67, Problem 3.7: Statistical independence and expectation.
4. p. 71, Problem 3.24: Negative binomial and Poisson distributions.
5. p. 110, Problem 4.31: Conjugate prior for a geometric distribution.