

PRINCETON UNIVERSITY

Fall 2013

ELE 525: Homework #2

Assigned: Wednesday October 2, 2013

Due: Monday October 15, 2013

- 1 . Textbook, p. 110-111, Problem 4.32: Conjugate prior for a multinomial distribution
2. p. 133. Problem 5.5: Inverse of a random variable and the Cauchy distribution.
3. p. 154. Problem 6.5: Log-survivor function curve of Erlang distributions.
4. p. 179. Problem 7.4: Chi-squared distribution and exponential distribution .
5. p. 208. Problem 8. 13: Alternative derivation of (8.67).