Stochastic Modeling for Engineers
HW Project Number 1: 40 Probability Questions

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Please hand in well written original solutions to 40 probability questions from [LeGar08] as specified below. You may consult with fellow students on problems, yet your hand in must be unique and ultimatly based on individual work. For computational exercises, use any software package that you desire.

Below you will find the numbers of 58 problems refering to [LeGar08]. 30 of them are "non-optional" and must be handed in. The remaining 28 of them are "optional". Choose 10 of these to hand in so that you hand in a total of 40 solutions.

Non-Optional (you must do these 30): 2.25, 2.26, 2.44, 2.77. 2.79, 2.81, 2.115, 2.127, 2.128, 3.3, 3.12, 3.45, 3.47, 3.52, 3.59, 3.65, 3.68, 3.88, 3.89, 3.90, 3.92, 4.13, 4.17, 4.34, 4.51, 4.63, 4.90, 4.137, 4.172, 4.174.

Optional (choose 10 from these): 2.9, 2.14, 2.18, 2.23, 2.27, 2.30, 2.43, 2.59, 2.92, 2.96, 2.114, 3.4, 3.8, 3.19, 3.23, 3.50, 3.91, 4.16, 4.18, 4.27, 4.33, 4.54, 4.70, 4.76, 4.98, 4.144, 4.173, 4.176.

In your hand in, please order as follows: First the 30 Non-optional questions in order, followed by the optional questions that you chose (in-order).

Good Luck.