

Homework Assignment #4

Instructor: Professor Chung-Chin Lu

Basic Problems:

The basic problems are for you to prepare the quiz on the Monday class. Please do not turn in their solutions.

pp. 105-107: Problems 3.46, 3.62.

p. 111: Theoretical Exercise 3.6, 3.9

For each of the above four problems, you have to specify the sample space S , the σ -algebra F and the probability function P .

pp. 115-116: Self-test Problems and Exercises 3.23, 3.25, 3.27. (The solutions for these problems on pages 474-476 are concise. You have to specify the sample space S , the σ -algebra F and the probability function P .)

Developed Problems:

Please turn in your solutions on **October 17th Wednesday** in class. The TAs will check the similarity between homework solutions to detect improper conduct such as plagiarism.

pp. 103-109: Problems 3.70, 3.73.

pp. 111-112: Theoretical Exercise 3.7, 3.18.

For each of the above four problems, you have to specify the sample space S , the σ -algebra F and the probability function P .