

Mathematical Statistics-E2(2)

[履修要件]

No statistical knowledge will be assumed. However, some basic calculus (e.g. finding the maximum of a function using differentiation) will be helpful.

[成績評価の方法・観点]

There will be 3 exercise sheets throughout the course, for which students will be expected to return work and present some of their answers in class. This will account for 30% of the final mark. The remaining 70% will be based on a final exam.

[教科書]

There will be no set textbook for the course, as the lectures will contain all the material needed for the homework and exam. However, students might find the books listed in the reference section useful as additional reading. (All of these references contain much more than will be covered in the course.)

[参考書等]

(参考書)

Casella and Berger 『Statistical Inference』 (Duxbury, 2002)

McKean, Hogg and Craig 『Introduction to Mathematical Statistics』 (Pearson, 2020)

Rossi 『Mathematical Statistics: An Introduction to Likelihood Based Inference』 (Wiley, 2018)

[授業外学修 (予習・復習) 等]

The lecturer will present the basic concepts in class, upon which exercise sheets will be set. The time required to complete these exercise sheets will vary from assignment to assignment and student to student, but the lecturer estimates that they will take 4-5 hours each.

[その他 (オフィスアワー等)]

[主要授業科目 (学部・学科名)]

理学部