

Special Mathematics Lecture (Statistics)

Registration Code	0053621	Credits	2.0
Course Category	Sciences Basic		
Term (Semester) / Day / Period	G-II (1st year, Spring Semester) / Wed. / 6 (18:15~19:45)		
Instructor	RICHARD Serge Charles		
Contact	Office: Room 237, Science Building A E-mail: richard@math.nagoya-u.ac.jp Website: http://www.math.nagoya-u.ac.jp/~richard/SMLspring2019.html		
Target Schools (Programs)	Hu(J)·La(S)·Ec(S)·Sc(P·C·B)·En(P·C·Au)·Ag(B)		
<p>●Objective of the Course Statistics deals with the collection, the analysis, the interpretation and the representation of data, always with the notion of uncertainty in the background. It plays a central role in many scientific investigations, and it is one of the most popular mathematical tools used in the industry. During this one semester course, the basic notions of statistics will be introduced. Depending on the interest of the audience, various concrete applications will be further developed.</p> <p>●Course Prerequisites Basic knowledge on calculus and linear algebra, as provided in Calculus I & II and in Linear algebra I & II. Some knowledge on probability as available on http://www.math.nagoya-u.ac.jp/~richard/lecturefall2017.html would also be useful, but the necessary material will be briefly reviewed at the beginning of the course. Motivated 1st year students can also attend without these prerequisites but after a discussion with the instructor.</p> <p>●Course Contents (preliminary version) Probability (a short reminder) Common distributions Statistical inference Hypothesis testing Regression models Further applications</p> <p>●Evaluation Methods The final grade will be based on the active participation during the lectures and on some written reports.</p> <p>●Notice for Students This course is an optional subject which does not count towards the number of credits required for graduation in any program at Nagoya University.</p>			
Textbook	Material will be provided during the lectures		
Reference Book	Reference books will be provided during the lectures		