Course title	Introductory statistics for life science	
Term	後期 2nd Half	
Credit(s)	1	
The main day		The main period	
School/Program	School of Life Science	
Department/Program	Common Subjects of Life Science	
Category	Common	
Lecturers	Junji Nakano	

Instructor

Full name
* NAMBU ATSUSHI

Outline	Basic knowledge and skills in statistical analyses useful for brain science research will be introduced in lectures using statistical software.
Goal	1. To understand principles of Descriptive statistics (including data visualization) and Inferential statistics (including hypothesis testing and parameter estimation). 2. To obtain basic skills in Multivariate analysis and Time series analysis. 3. To introduce principles of Big data analysis.

Grading system

01:Four-grade evaluation (A,B,C,D)

Grading policy	Based on attendance, projects and homeworks etc.
Lecture Plan	Schedule: February, 2022 (2days.) (9:15〜10:45, 11:00〜12:30, 13:30〜15:00, 15:15〜16:45 on both day) 1. Descriptive statistics 2. Probability I 3. Probability II 4. Estimation I 5. Estimation II 6. Hypothesis testing I 7. Hypothesis testing II 8. Multivariate methods
Location	The lectures will be delivered by the remote lecture system.
Language	Spoken- language in this subject changes alternately; Japanese in 2021
Textbooks and references	None
Related URL	http://sbsjp.nips.ac.jp/schedule/
Explanatory note on above URL	Please keep be updated on the latest schedule from ” Schedule of the classes” on the program website.
Others	No particular background knowledge is required.
Keyword	SOKENDAI Integrative Brain Science Course