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

Grading policy
Based on attendance, projects and homeworks etc.

Lecture Plan
Schedule: February, 2022 (2days.)
( 09:15~10:45, 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://sbs.jp.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