NAMBU  ATSUSHI

## Confirm - Syllabus

Japanese / English

Update

| 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 |
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| Full name |
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| * NAMBU  ATSUSHI |

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

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

| Grading policy | Based on attendance, projects and homeworks etc. |
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| Lecture Plan | 2days Intensive course<br>(9:15~10:45,  11:00~12:30,  13:30~15:00,  15:15~16:45 on both day)<br>Schedule: Monday, 6th February 2023<br>1. Descriptive statistics<br>2. Probability I<br>3. Probability II<br>4. Estimation I<br><br>Schedule: Monday, 13th February 2023<br>5. Estimation II<br>6. Hypothesis testing I<br>7. Hypothesis testing II<br>8. Multivariate methods |
| Location | Zoom online |
| Language | Spoken- language in this subject changes alternately; English in 2022 |
| 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 |