Course title <English>	Introduction to Statistical Computing and Data Management		Affiliated department, Job title,Name	Graduate School of Medicine Professor,SATO TOSIYA Graduate School of Medicine Assistant Professor,YONEMOTO NAOHIRO
Target year	Professional degree students	**Number of credits** 2	**Course offered year/period**	2017/First semester
Day/period Tue.3,4		**Class style** Practical training	**Language**	Japanese

[Outline and Purpose of the Course]

The objective of this course is to feel and experience biostatistical concepts talked in morning lectures. It may help your clear understanding of biostatistics. Using the statistical software JMP, you learn tabulations, analyses, and simple programming.
For students in School of Public Health and Graduate School of Medicine, access to the following web page, read instructions carefully, download and install JMP software into your note PC.
http://www.med.kyoto-u.ac.jp/software/JMP/

[Course Goals]

- Be familiar with word processing software
- Be familiar with tabulation software
- Be familiar with presentation software
- Conduct simple statistical analyses using statistical software JMP

[Course Schedule and Contents]

1. Apr 11 Introduction and using tabulation software
 2. Apr 18 Using statistical software JMP
 3. Apr 25 Group practice 1
 4. May 2 Group practice 2
 5. May 9 Group practice 3
 6. May 16 Group practice 4: Presentations
 7. May 23 Randomization
 8. May 30 Measures of effects
 9. Jun 6 Statistical testing and meaning of the null hypothesis
10. Jun 13 Confidence intervals
11. Jun 20 Analyses of 2 by 2 tables
12. Jun 27 Sample size calculations
13. Jul 4 Random sampling

14. Sep 12 Presentations 1
15. Sep 13 Presentations 2

[Class requirement]

- Because of space limitation, students in School of Public Health are given priority.
- This course has presentations on September.

[Method, Point of view, and Attainment levels of Evaluation]

- submit your report at every class
- a group presentation

(2)

- personal presentation on September

[Textbook]

- Distribute handouts in every class

[Reference books, etc.]

Reference books

[Regarding studies out of class (preparation and review)]

Submit your report at every class for your review

Others (office hour, etc.)

- You cannot join after the class has started.

*Please visit KULASIS to find out about office hours.