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**	2018/First semester
Day/period	Tue.3,4	**Class style**	Practical training	**Language**	Japanese

[Outline and Purpose of the Course]

The objective of this practice 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.
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]

- Understand the importance of data check and data management
- Be familiar with word processing, tabulation, and presentation software
- Conduct simple statistical analyses using a statistical software JMP

[Course Schedule and Contents]

1. Apr 10 Introduction and using tabulation software
 2. Apr 17 Using statistical software JMP
 3. Apr 24 Group practice 1
 4. May 1 Group practice 2
 5. May 8 Group practice 3
 6. May 15 Group practice 4: Presentations
 7. May 22 Randomization
 8. May 29 Measures of effects
 9. Jun 5 Statistical testing and meaning of the null hypothesis
10. Jun 12 Confidence intervals
11. Jun 19 Analyses of 2 by 2 tables
12. Jun 26 Sample size calculations
13. Jul 3 Random sampling

14. Sep 18 Presentations 1
15. Sep 19 Presentations 2

[Class requirement]

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

(2)

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

- Submit your report at every class
- A group presentation
- 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.