

# Statistics Journal Club 2017

**Time:** 2 – 4pm, unless agreed otherwise

**Date:** First Thursday of each month

**Location:** KT285

**Information:** Estelle Lowry, postdoctoral researcher, tel. 0504 63 52 12; e-mail [estelle.lowry@oulu.fi](mailto:estelle.lowry@oulu.fi)

**Language:** English

**Credits:** hourly basis, 10 hours/0.5 ECTS (sign in and keep track of your participation)

## **Aim:**

Share knowledge about **analytical strategy** and **statistical methods, techniques, and software**.

## **Basic principle:**

### **Theme -**

Each meeting will have a methodological theme which you will be notified of in advance. A selected speaker with knowledge in this topic will share some examples of how the methodology can be used in research and help to guide us through some practical examples. Participants are also invited to bring their own work or results if relevant to the theme for some open discussion. Please email [estelle.lowry@oulu.fi](mailto:estelle.lowry@oulu.fi) to register before each meeting to ensure there are sufficient computers for everyone.

### **Speaker -**

Speaker may choose to present some theory or an example of how they have used the method in their own work. Presentation should be no longer than 10-20 minutes. Speaker should also prepare a brief tutorial with some practice questions for the group to work on.

### **University template:**

[https://notio.oulu.fi/en/guides/layouts/15/WopiFrame2.aspx?sourcedoc=/en/guides/Documents/UniOulu\\_PPT\\_template\\_ENG\\_06\\_2016.potx&action=default](https://notio.oulu.fi/en/guides/layouts/15/WopiFrame2.aspx?sourcedoc=/en/guides/Documents/UniOulu_PPT_template_ENG_06_2016.potx&action=default)

### **Practical:**

The remaining time (45-60mins) can be split between discussion and practical examples provided by the speaker or you can use the opportunity to bring your own work to discuss.

<b>Time</b>	<b>Speaker</b>	<b>Theme</b>
2.3.2017	Ville Karhunen	Basics in R
6.4.2017	Ville Karhunen	Longitudinal Modelling in R
4.5.2017	Estelle Lowry	Factor Analysis & Structure Equation Modelling In MPlus
1.6.2017		

Potential themes:

Regression

Basics of R

GWAS/EWAS

Data visualization/ Making charts in R

Factor analysis

Structure Equation Modelling

Trajectories

Attribution/ Imputation

GIS

Mendelian Randomization