Graduate seminar on:

**Bayesian Data Analysis**

based on

**Richard McElreath’s book**

*Statistical Rethinking: A Bayesian Course with Examples in R and Stan* (2020)


Seminar is primarily for doctoral students but can be taken also by undergraduate students with some background in statistics. The author states in the Preface:

> The principle audience is researchers in the natural and social sciences, whether new PhD students or seasoned professionals

Seminar can be attended also as a guest participant (no presentations; participation in discussions).

The chapters of the book will be covered during the seminars in the form of student and staff presentations (one chapter, divided into two parts, at a time). Each time we will also elaborate on 2-3 exercises given at the end of the chapter.

To pass the seminar, the student has to:

- present the selected sections of the book (the number of presentations depends on the number of participants)
- return the solutions to the selected exercises (either the exercises elaborated on during the seminars or, if not returned by the time of the seminar, 2-3 other exercises / chapter)
- attend at least at 70% of the seminar meetings.

The preferred language for seminar presentation is English, however, presentation in Finnish are also accepted.

The extent of the seminar is **5 cu.** Seminar meetings will be held on Thursdays at 15.15 – 18.00 starting from **24.9.**

The book is available in electronic format in the library of Tampere University.

To register for the seminar, please send an email by **21.9.2020** to Tarmo or Jari.

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