

Speaker: Florent Leclercq

Title: Bayesian statistics

Description: We will first discuss some aspects of probability theory: frequentist and Bayesian point of views, ignorance priors, and the maximum entropy principle. We will then turn to several Bayesian aspects: Bayesian signal processing and reconstruction, Bayesian decision theory, Bayesian experimental design, Bayesian hierarchical models.

Lectures will be "hands-on" using Jupyter notebooks. Materials of previous lectures are available at <https://florent-leclercq.eu/teaching.php> and https://github.com/florent-leclercq/Bayes_InfoTheory