

# MATHEMATICS LEARNING SUPPORT CENTRE

## 23<sup>rd</sup> Mathematical and Statistical Salon (MASS) Talk

### A Gentle Introduction to Bayesian Statistics

**Speaker: Dr Junyi Zhang**

#### Abstract

Even if the Bayesian theorem is taught in every fundamental statistics course, Bayesian statistics has received less attention than its competitors. Named after the 18th-century British statistician Thomas Bayes, the Bayesian theorem has inspired a principled statistics method, with its applications found in various areas, including the celebrated machine learning. In this talk, we discuss the ideas of Bayesian statistics very gently. We use simple examples to demonstrate the motivation of Bayesian statistics and illustrate its difference from the other methods. We also briefly introduce the concepts of Bayesian machine learning.

#### Biography

Dr Junyi Zhang is a Research Assistant Professor in the Department of Applied Mathematics at the Hong Kong Polytechnic University. Junyi received his doctoral degree in statistics from the London School of Economics.

**Date | Time | Venue**

1 December 2023 (Friday) | 2pm – 3pm | QR611

**All are welcome**