

# *Graduate Mathematics Seminar*

## *Parameter Estimation: An Alternative POV*

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### **Abstract:**

You may remember the topic of Parameter Estimation from your Statistics classes. The classical approach to this inference problem consists of finding a point estimator based on a sometimes implicit criterion, and constructing a confidence interval as a measure of the uncertainty associated with the estimation. The interpretation of such results is 'interesting' and perhaps not exactly what one might wish for. In this session we will approach the estimation problem from a Bayesian perspective, and involve a few aspects of economic theory. The takeaway result is that inference from this POV can be seen as an optimization problem, and the interpretation is more 'natural' than that for the frequentist counterpart.

**Monday, November 23, 2020, 6:00 – 7:00 pm**  
**CSUCI, Online via Zoom**