

Thursday June 1st 2017
14:00-15:30, Sala rossa

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On Estimating Stock Market Volatility and Crash Risk

This seminar will provide an overview of approaches to estimating stock market risk: from the early moving-average and GARCH models to more recent numerical methods such as particle filters and my own work that use specific stochastic volatility models with or without jumps. The organizing theme will be filtration: how can we estimate (filter) latent characteristics such as conditional volatility and crash risk that we do not directly observe from past stock market returns that we do observe?

This seminar is intended for a general audience. Prior familiarity with GARCH and stochastic volatility models is helpful but is not necessary.