

Machine Learning and Big Data with Macroeconomics Applications

Centre for Monetary and Financial Economics ([CMFE](#)) Workshop

February 16 (Saturday)-17 (Sunday), 2019

9h-16:30h

Carleton University

I believe that machine learning will have a dramatic impact on the field of economics within a short time frame.

Professor [Susan Athey](#) in [Impact of Machine Learning in Economics](#) (2018).

The intersection of Machine Learning (ML) with econometrics and applied statistics is rapidly shaping up the research landscape in economics (Athey (2018), [Mullainathan \(2017\)](#)). ML is a part of data science that involves creating algorithms and programs which learn on their own. ML has gained prominence due to the availability of large datasets (*Big Data*) that can be studied to improve our understanding in a variety of areas. ML can, in particular, help determine patterns and facilitate a variety of analyses that were not previously feasible.¹ These developments have opened up new research areas and avenues, and also led to interest from both public and private sectors.

[CMFE](#) will organize a two-day advanced course on ML and Big Data with applications to [macroeconomics](#) and a particular focus on forecasting.

Professor [Dalibor Stevanovic](#) (UQAM) will teach the course. A detailed course outline and specific applications is available on the registration page.

Registration Fee: \$300 (\$150 for OCGSE Graduate Students) and will open on January 7th.

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¹ See [Begenau, Farboodi, and Veldkamp \(2018\)](#).