



Quantitative Trading

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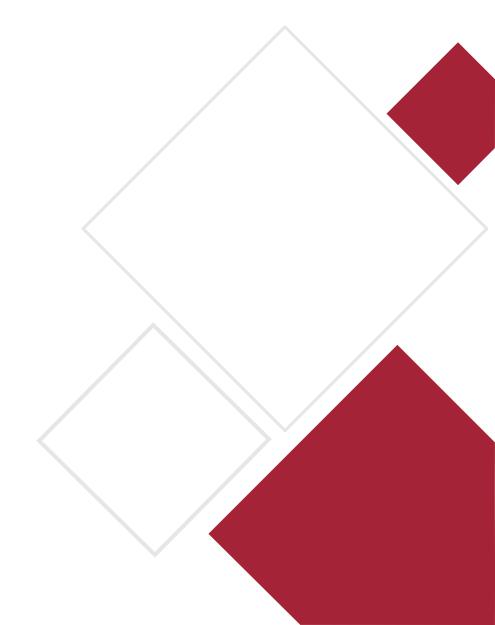
Make an impact





Assignment 4

THE PROPAGATOR MODEL



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Instructions for the assignment

- The assignments are to be done in groups of 4 or 5 students.
- Each assignment should be uploaded in Blackboard as a Jupyter file
 - Due date: Feb 2.
- The Jupyter file should include the following (use Markdown):
 - Section "0" with information about your submission:
 - Line 1: QT Assignment n
 - Line 2: Group members: listed alphabetically by last name, where the last name is written in CAPITAL letters
 - Any comments/challenges about the assignment
 Section "k" where k = {1, 2, ...}.
 - - First type Question k of Assignment n.
 - Then, below the question, provide your answer.
 - Your code should include any packages that need to be imported.



The propagator model

The goal of this exercise is to simulate an artificial mid-price series with the propagator model and investigate the effect of the decay exponent of the kernel G.

Some useful code and the questions can be found in the attached Notebook.





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