Profiling And Optimisation in Python

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Important Information on Marking your Attendance on Inkpath

I will show you a QR code at the end of the session allowing you to mark your attendance on Inkpath. Please do not mark your attendance until then.

If you are not a Postgraduate Research student and didn't book via Inkpath, your attendance will be marked on a separate database.

Learning Outcomes

- 1. Determine when profiling and optimisation is appropriate for a project
- 2. Use selected profilers to examine the impact of section of code on run-time and memory usage
- 3. Utilise profiler outputs to identify problematic areas of code
- 4. Apply common optimisation techniques to improve code performance

Notebook Links

- Profiling
- Algorithm Choice
- Mathematical Optimisation
- Caching
- Optimising Loops
- NumPy
- Parallelism
- Exercise
- Conclusion

Feedback

- Once you've completed this course, please provide feedback
 - The link is http://bit.ly/rcds2021
 - You should also have received an email with this link
 - This helps us improve the class for future students

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