

COMP6248 Differentiable Programming

(and some Deep Learning)

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Machine Learning Recap

What is Differentiable Programming?

What is Deep Learning?

Is all Deep Learning Differentiable Programming?

Why should we care about this?

Where did it all start & what was the motivation?

What is the objective of this module?

What will we cover in the module?

How is this module going to be delivered?

Lecture & lab session plan

What do we expect you already know?

What might you already know?

Assessment Structure

Assessment Timetable

The Main Assignment

The ICLR Reproducibility Challenge