

Understanding the Difficulties of Optimisation



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Theme 3

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Within the architecture of an optimisation solution, the algorithm component often goes misunderstood or neglected, yet this is where most of the heavy lifting is done.

In this presentation, Sandy will attempt to remedy this by unpacking what actually makes an optimisation problem difficult. He will explore the idea of decision dimensions and explain why some problems are far more complex than others.

Finally, by demystifying some common optimisation algorithms, we'll see how practical assumptions lead to more intuitive algorithms, providing a more holistic understanding of optimisation solutions.